October 4, 2000

Loureiro Engineering Associates, Inc.

US Environmental Protection Agency
JFK Federal Building (HBT)
1 Congress Street
Boston, MA 02114-2023

RDMS DocID 00100144

Attn.: Juan Perez

RE: Marin Investigation Report – North Parcel – Airport/Klondike Area
Pratt & Whitney, East Hartford, Connecticut
LEA Comm. No. 88UT004

Dear Mr. Perez:

Attached please find four copies of the draft "Soil and Ground Water Characterization Report" dated July 2000 that addresses the Stadium Parcel portion of the Airport/Klondike Area at the Pratt & Whitney (P&W) facility located at 400 Main Street in East Hartford, Connecticut. Marin Environmental, Inc. (Marin) prepared this report for the State of Connecticut Office of Policy and Management (OPM) for the transfer of the Stadium Parcel.

On the northern end of the Airport/Klondike Area is an approximately 75-acre portion (i.e., the Stadium Parcel) that has been offered to the State of Connecticut for the development of a football stadium for the University of Connecticut. This Stadium Parcel is located on the northern end of the Airport/Klondike Area in an area that is referred to as the North Parcel. This North Parcel includes the Stadium Parcel and environmental units that are immediately adjacent to the Stadium Parcel. The actual transfer of the Stadium Parcel to the State of Connecticut is occurring in two phases with the larger portion having been transferred on July 28, 2000 and the remaining portion (approximately 3 acres) expected to be transferred in the Spring 2001.

To document the investigation and remediation activities completed by P&W that have occurred on, or relate to, the North Parcel, Loureiro Engineering Associates, Inc. (LEA) has prepared and previously submitted a stand-alone report that addresses the North Parcel. The environmental units included are the former Silver Lane Pickle Company, the North Klondike Undeveloped Land Outside Storage Area, the North Klondike Undeveloped Land Soil Piles, the former Army Barracks Area, and the Rentschler Airport Area. The Unit-Specific Technical Memorandum (USTMs) that address these areas are included as part of the North Parcel Report.

If you have any questions or comments concerning the attached information or any of the previously submitted information, please contact me at 860-747-6181.

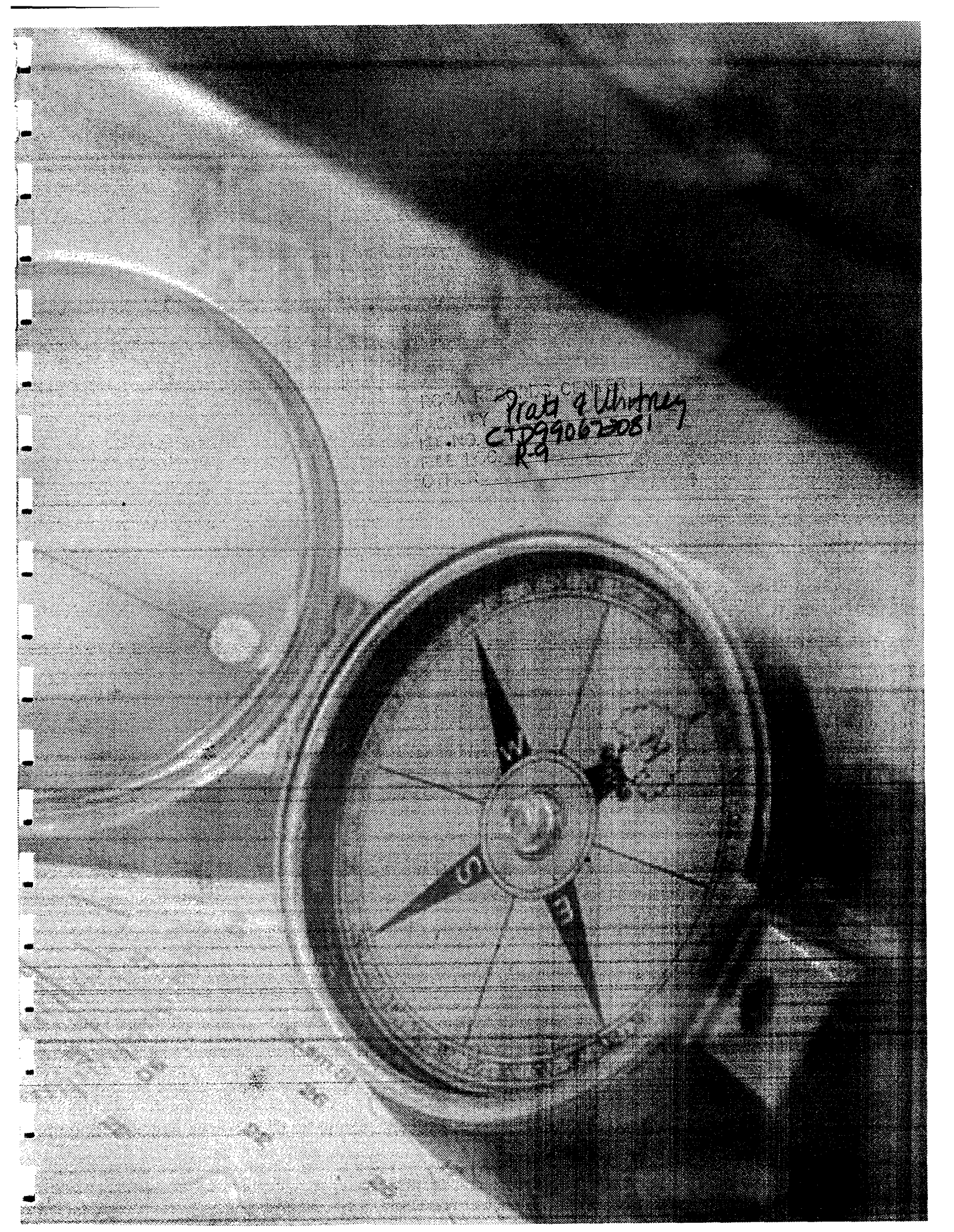
Sincerely,
LOUREIRO ENGINEERING ASSOCIATES, INC.

Thomas J. Salimeno, P.E.
Vice President

Pratt & Whitney
CTD990672081
R9
RDMS # 100144

Attachments
pc: J. Tota, United Technologies Corporation

No Design Rationale ?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MARIN
ENVIRONMENTAL

SCIENTISTS
ENGINEERS
GIS SPECIALISTS

RENTSCHLER FIELD EAST HARTFORD, CONNECTICUT

REPORT
SOIL AND GROUND WATER CHARACTERIZATION

JULY 2000

DRAFT

Pratt & Whitney
CTD 980673081
R9

Prepared for:

STATE OF CONNECTICUT
OFFICE OF POLICY AND MANAGEMENT
HARTFORD, CONNECTICUT

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EXECUTIVE SUMMARY

The purpose of this Soil and Ground Water Characterization Report (Report) is to address potential existing contamination conditions and environmental concerns regarding the United Technologies Corporation (UTC) property known as Rentschler Field. The Rentschler Field property is comprised of approximately 600 acres and UTC has offered to transfer ownership of a 75-acre parcel of land to the State of Connecticut. The purpose of the property transfer is to allow for the construction of a stadium to be utilized by UCONN primarily in a satisfactory condition for development of a stadium under applicable laws. UTC has donated the property, stating that "...the Property will be in satisfactory condition for development of a stadium under applicable environmental laws." (Letter from UTC to Governor Rowland, November 10, 1999).

The intent of this Report is to provide an overview of on-going site-specific activities that have occurred or will occur on the parcel. Work summarized will be completed, or has been completed, by UTC, its contractor(s) and Marin Environmental, Inc. (Marin). In addition, it will be necessary to address potential environmental concerns as may be raised by the Connecticut Department of Environmental Protection (CTDEP), the prospective property owner, and the local community relative to the transfer of such parcel. It is also the intent of this Report to evaluate the potential impacts of environmental concerns on the proposed development. (For a more detailed discussion of these issues, see Chapter 11, "Environmental Conditions Summary".) Specifically, the following tasks have been performed relative to the stadium parcel:

The following tasks have been performed relative to the stadium parcel:

1. Review of existing environmental information;
2. Comparison of site-specific analytical data to appropriate regulatory criteria;
3. Determination as to the presence or absence of significant data gaps;
4. Evaluation of the sufficiency of existing and recently compiled data for the evaluation of environmental impacts; and
5. Supplemental investigation and characterization.

Five Environmental Units have been identified and characterized at the site. These areas include, and are located relative to the proposed Stadium project, as follows: the Former Silver Lane Pickle Company, to the northwest of the parcel; the Former Army Barracks, western portion and west of the parcel; the Northern Klondike Area, southeast portion and southeast of the parcel; the Northern Runway Area, at the location of the Stadium; and the Supplemental Off-site Grass Parking Area, to the west, southwest. The Supplemental Off-site Grass Parking Area was added to the original list of four Environmental Units described in the March 3, 2000 Master Plan Report because the area had not been previously characterized and overflow stadium parking will be on the grass surface.

The following provides a summary of historical findings for each Environmental Unit:

The Former Silver Lane Pickle Company is located to the northwest, and outside of the Stadium Parcel. Aromatic volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), and metals were detected in soils above the GB Pollutant Mobility Criteria (GB PMC). Arsenic, lead, and TPH were detected in soils above the Residential Direct Exposure Criteria (RES DEC). These contaminants are attributed to former underground storage tanks (USTs) and historic filling of low-lying areas with debris.

The Northern Klondike Area is located in the southeast portion of the Stadium Parcel. Historically, filling of wetlands was performed in this area. TPH detected in soils above the GB PMC and Industrial/Commercial (I/C) DEC have been removed by UTC. Currently, at select locations greater than eight feet below ground surface, TPH concentrations remain above the RES DEC.

The Former Army Barracks is located in the western portion of the Stadium Parcel. Septic systems were formerly used in this area and are suspected as a possible release area.

The Northern Runway area was historically filled during the construction process. Historical investigatory processes in this area consisted of the visual inspection and field screening of

collected soil samples. Prior to the completion of the Stadium Project characterization efforts, no soil and/or ground water quality analytical data had been developed for this area.

UTC's contractor, Loureiro Engineering Associates, Inc. (LEA) recently submitted additional information regarding the characterization and remedial efforts within the Former Silver Lane Pickle Company and Northern Klondike Environmental Units. Generally, the soils within the two areas have been remediated in accordance with the Remediation Standard Regulations (RSRs). The RSRs do require the implementation and completion of post-remedial ground water monitoring in these areas in order to demonstrate full compliance with the RSRs. Additionally, pursuant to the RSRs, an Environmental Land Use Restriction (ELUR) must be placed in the area of the Northern Klondike Environmental Unit where TPH concentrations are identified above the RES DEC, but below the I/C DEC. The ELUR is an administrative control which will be recorded on the Town land records in order to restrict use of the area.

Two "mounded" areas located within the Northern Klondike Environmental Unit but outside the initial transfer parcel boundaries, have not been completely characterized. One area is located to the east of monitoring well NK-MW-17S. The other is located approximately 300 feet east, south east of monitoring well NK-MW-06. These mounds have not yet been completely characterized by UTC for chemical constituents-of-concern. Likewise, based upon LEA data reviewed to date, test pit NK-TP-02, located to the northeast of MW-17S and outside of the Stadium boundary, requires additional analyses for TPH along the north wall of the excavation. UTC should provide for the adequate characterization of these areas for the chemical constituents-of-concern.

One additional area located to the east of monitoring well MW-WL-3 has reportedly been used historically to stage "parking lot sweepings". This area is located within the Project boundaries and must be further characterized in accordance with the RSRs. If exceedances of the RSRs are identified, then a Remedial Action Plan and/or Soil Management Plan will be developed.

Characterization Efforts

In an effort to fill previously identified data gaps and to define the presence/absence of chemical constituents-of-concern in the Project area, a CT DEP-approved Soil and Ground Water Characterization Work Plan, dated May 2000 was developed and implemented. Constituents-of-concern for the characterization of the site included Volatile Organic Compounds (VOCs), Semi-Volatile Organic

Compounds (SVOCs), Pesticides, Herbicides, Priority Pollutant Metals (PP13 metals), Polychlorinated Biphenyls (PCBs), and TPH.

Between May 22 and June 9, 2000, characterization of the parcel and Off-Site Supplemental Grass Parking Area took place. The characterization effort included the following:

- Advancement of 64 soil borings across the Stadium Parcel and Off-site Supplemental Grass Parking Area;
- Installation of 12 monitoring wells to complement the 3 existing monitoring wells across the Stadium Parcel;
- Advancement of 7 test pits within the Former Army Barracks leach fields; and
- Certified-laboratory analyses of 458 soil analytes and 121 ground water analytes.

Characterization Results

The evaluation of site-specific environmental analytical results were compared to CT DEP Criteria contained within the RSRs. These criteria include: Residential Direct Exposure Criteria (RES DEC) and Industrial/Commercial (I/C DEC) and GB Pollutant Mobility Criteria (GB PMC) for soils; Surface Water Protection (SWPC), Ground Water Volatilization (GWVC), and Aquatic Life Criteria (ALC) for ground water and surface water.

The following presents a synopsis of the collected and reviewed data:

RES DEC — Based upon the analytical data retrieved from the areas that Marin characterized, no exceedances of the RES DEC were identified. Previous studies performed by UTC identified several areas in the Northern Klondike Environmental Unit that exceeded the RES DEC, but not the I/C DEC. As discussed previously, the exceedance of the RES DEC for TPH is allowable within the RSRs, if an ELUR is applied in order to restrict use of the area.

I/C DEC — Based upon the analytical data retrieved from the areas that Marin and UTC characterized, all identified areas with exceedances of the I/C DEC have been remediated in accordance with the RSRs.

GB PMC — Based upon the analytical data retrieved from the areas that Marin and UTC characterized, no exceedances of the GB PMC were identified.

SWPC — Based upon the analytical data retrieved from the areas that Marin and UTC characterized, no exceedances of the SWPC were identified.

GWVC — Based upon the analytical data retrieved from the areas that Marin and UTC characterized, no exceedances of the GWVC were identified.

ALC — Based upon the analytical data retrieved from the areas that Marin characterized, two locations were identified that slightly exceeded the ALC.

Aquatic Life Criteria for mercury, copper and lead were exceeded in two areas where groundwater appears to discharge to surface water (wetland). Monitoring wells MW-WL-3 and MW-WB-1 near the southeast and northwest property boundaries, respectively, each exhibited a slight exceedance of mercury at 0.02 micrograms per liter (ug/L), or parts per billion. The ALC for mercury is 0.012 ug/L. Monitoring well MW-WL-3 also exhibited an exceedance of copper at 12 ug/L and lead at 2.0 ug/L. The ALC for copper is 4.8 ug/L and lead is 1.2 ug/L. These areas should be further evaluated, because seasonal ground water variations and low levels of silt entrained within the monitoring wells may have affected the concentrations of these constituents.

Impact Analysis

The results of the various characterization efforts do not indicate the presence of a major environmental contamination concern that may present an impediment to the proposed Stadium Project. Several relatively minor and manageable potential issues exist as a result of environmental releases and impacts in the area of the Stadium Project. These minor issues are the result of the documented environmental impacts from the various Environmental Units. If additional environmental contamination impacts are identified during subsequent sampling events, or construction related excavation and de-watering activities, they can be mitigated by standard remediation techniques. It is assumed that the completed remediation efforts by UTC will reduce the significance of any of the above-noted potential issues. In order for UTC to demonstrate full compliance with the RSRs, implementation and completion of a post-remedial ground water monitoring program will be required.

It is recommended that the following be implemented in order to complete data gaps, prepare a remedial cost estimate associated with the construction of the Stadium, and to demonstrate conformance with the RSRs:

- Perform at least one additional ground water sampling event to include all of the monitoring wells across the Stadium parcel. Particular emphasis should be placed on monitoring wells MW-WL-3 and MW-WB-1. The concentrations of mercury, copper and lead are above the Aquatic Life Criteria; however, at such low levels, entrained silt from the newly installed wells may have influenced the concentrations of these analytes.
- In order to provide engineering controls of the shallow ground water during construction and operation of the Stadium Project, a bentonite-slurry cut off wall is to be installed. This wall will impede ground water infiltration to the construction area. Likewise, the cut off wall will impede the transport of groundwater with identified, low-level exceedances of the Aquatic Life Criteria at the two locations along the Project boundaries;

- Review the UTC implementation and completion of the post-remedial ground water monitoring plan and resultant data in order to further evaluate compliance with the RSRs.
- The area of the "parking lot sweepings" must be characterized in accordance with the RSRs, and with CT DEP approval. If exceedances of the RSRs are identified, then a Remedial Action Plan and/or Soil Management Plan will be developed.
- Provide for the periodic inspection of construction-related activities to monitor for potential contaminant-related issues.

1.0 INTRODUCTION

The State of Connecticut, Office of Policy and Management (OPM) has directed Marin Environmental, Inc. (Marin) to implement the Soil and Ground Water Characterization Plan (Work Plan), dated May 2000. The Connecticut Department of Environmental Protection (CTDEP), in correspondence dated May 24, 2000, requested modifications to the Work Plan including additional soil sample locations and facility-specific information. These requests were addressed in Marin correspondence dated June 9, 2000 to the CTDEP. Additionally, United Technologies Corporation (UTC) provided facility-specific information in correspondence dated June 23, 2000. Based upon these data, the CTDEP issued a Work Plan approval letter dated XXXX. Copies of the correspondence are included within Appendix A.

Briefly, the May 24, 2000 CTDEP modification correspondence may be separated into two (2) fundamental topics; 1) additional on-site field/laboratory characterization efforts, and 2) facility-specific information relative to past historical airport operations, remedial actions completed by UTC and potable water supply sources in the vicinity of the stadium parcel. These items are further discussed in Section 8.0 – Potential Impacts to Stadium Project Development.

The purpose of this Soil and Ground Water Characterization Report (Report) is to further characterize potential environmental quality concerns and address identified data gaps regarding a portion of the UTC property known as Rentschler Field. These potential environmental concerns and data gaps were outlined in "*Chapter 11, Rentschler Field, Environmental Conditions Summary*" (ECS), submitted as part of the "*Master Development Plan for Adriaen's Landing and Stadium at Rentschler Field*" to the Connecticut Legislature on March 3, 2000. The location of Rentschler Field is shown on the U.S.G.S. 7.5-minute topographic map of East Hartford, CT (Figure 1). Figure 1 provides additional information including surface features within 1/4 mile of the facility, and surrounding land uses and existing structures.

The Rentschler Field property is comprised of approximately 600 acres and UTC has offered to transfer ownership of a 75-acre parcel of land (the "Stadium Parcel") to the State of Connecticut

in satisfactory condition for development of a stadium under applicable environmental laws. The purpose of the property transfer is to allow for the construction of a football stadium to be utilized primarily by the University of Connecticut (UCONN) (the "Stadium Project") for football. The intent of this Report is to present and discuss site-specific environmental quality data that was collected from across the Stadium Parcel, and supplemental off-site grass parking area, in an effort to fill data gaps, further define environmental conditions, and to provide a detailed evaluation of potential remedial efforts, should any be required. Specifically, Marin has been tasked to perform an evaluation of the following issues relative to the Stadium Project:

1) Further characterize surficial and subsurface soils and ground water;
2) Evaluate additional environmental quality data provided by UTC;
3) Compare site-specific analytical data to appropriate regulatory criteria;
4) Establish if the existing data, in combination with the data developed from the supplemental characterization (discussed herein), is sufficient to allow for the evaluation of environmental impacts and preparation of a remedial cost estimate associated with the construction of the Stadium.

1.1 *Soil and Ground Water Characterization Report Content*

This Report details the work completed during the subsurface characterization of the Stadium Project areas and is organized in the following manner:

Section 2, Site Description:

Provides a description of the overall Project area with sub-heading, brief discussions relative to each of the identified Environmental Units associated with the Stadium Project.

Section 3, Objectives and Scope of Work:

Presents the overall Objectives and outlines the Scope of Work associated with the subsurface characterization of the Stadium Project. Additionally, this Section presents and discusses deviations from the CTDEP approved Work Plan.

Section 4, Subsurface Characterization:

Presents a description of the work completed during the field characterization efforts including soil borings, test pits, and monitoring well installations, and construction. Additionally, this Section presents and discusses the subsurface geologic and hydrogeologic conditions observed beneath the areas investigated.

Section 5, Sample Collection and Analyses Methods:

Presents a description of the manner in which environmental samples were collected during the field sampling activities. This includes field screening, sample selection, equipment decontamination, sample identification, chain-of-custody, and shipment for both soil and ground water environmental samples.

Section 6, Soil and Ground Water Analytical Results and Discussion:

Presents the analytical results for both soil and ground water environmental samples in both tabular form and discussion. The analytical results are compared to the applicable CTDEP criterion as presented in the Remediation Standard Regulations (Section 22a-133k-1 through 22a-133k-3) and Appendix D of the most recent Water Quality Standard dated April 1997.

Section 7, Sample Quality Assurance and Quality Control:

Presents the analytical results for both soil and ground water environmental samples in both tabular form and discussion of the Quality Assurance and Quality Control (QA/QC) Program. These samples include trip and equipment blanks as well as replicate, or duplicate, sample analyses and laboratory QC samples.

Section 8, Potential Impacts to Stadium Project Development

Presents discussions of the four (4) potential issues relative to site data that Marin was tasked to evaluate.

Section 9, Conclusions and Recommendations:

Presents the discussions relative to the conclusions and recommendations of the Report.

Section 10, References.

2.0 SITE DESCRIPTION

The following presents a summary of the Environmental Conditions Summary Report (ECS), submitted as part of the "*Master Development Plan for Adriaen's Landing and Stadium at Rentschler Field*" to the Connecticut Legislature on March 3, 2000.

2.1 *Stadium Parcel Location*

The Rentschler Field facility is located on an approximately 600-acre tract of land, of which, UTC will donate 75-acres to the State of Connecticut in satisfactory condition for development of a stadium under applicable environmental laws. The Stadium Parcel is relatively flat with few undulations. In general, the parcel is bounded to the east by wetlands, to the north by Silver Lane, to the northwest by Willow Brook, and to the west and south by lands to be retained by UTC (Figure 2).

2.2 *Stadium Parcel Environmental Units*

The layout of the Stadium Project, the Stadium Parcel boundaries, as well as the locations of the Environmental Units are provided on Figure 2. In summary, the Environmental Units are as follows: the Former Silver Lane Pickle Company; the Former Army Barracks; the Northern Klondike Area; the Northern Runway Area; and Off-site Supplemental Grass Parking Area. The following presents a brief description of each Unit:

2.2.1. ***Former Silver Lane Pickle Company***

The Former Silver Lane Pickle Company Environmental Unit is located to the northwest of the Stadium Parcel. At the present time, the area of the former Silver Lane Pickle Company is not included in the proposed Stadium Parcel. This Environmental Unit was included within the Plan to provide an additional environmental evaluation of northern boundary area to the Stadium Parcel area.

A potential may exist whereby documented environmental impacts from the former Silver Lane Pickle Company underground Storage Tanks (USTs) may have affected environmental conditions in the area of the proposed Stadium Project, located to the south. The primary concern would be the interception of potentially impacted ground water during construction and de-watering activities.

2.2.2 *Northern Klondike Area*

The North Klondike Area Environmental Unit is located in the southeast portion of the Stadium Parcel. Historically, it has been reported that the wetlands have been filled in and the area was then used for the staging and storage of equipment and materials. TPH that was detected in soils above the GB Pollutant Mobility Criteria (GB PMC) have since been removed by UTC, under the direction of Loureiro Engineering Associates, Inc. (LEA).

2.2.3 *Former Army Barracks*

The Former Army Barracks Environmental Unit is located in the western portion of the Stadium Parcel. Septic systems were formerly used in this area and are suspected as a possible release area. The Former Army Barracks were used from approximately 1942 to 1948. Based on the available information, five of the former septic systems were located within, or in close proximity to, the Stadium Parcel.

2.2.4 *Northern Airport Runway*

The Northern Airport Runway Environmental Unit is the principal location for the Stadium Project and was historically filled during the airport/runway construction process. Based upon review of information to date, the investigatory process in this area consisted of the visual inspection and field screening of collected soil

samples. Historically, no soil and/or ground water quality analytical data have been developed for this area.

2.2.5 *Off-site Grass Parking Area*

One additional Environmental Unit was added to the areas to be characterized as a component of this work. This area, located to the south of the United Technologies Research Center, is proposed to complement the parking areas around the Stadium (Figure 2). Access to the off-site grass parking area will be on an as needed basis. When the parking areas in the vicinity of the Stadium are full, this off-site grass parking location will be used. The other off-site parking areas are covered with some form of pavement (i.e., asphalt) and will not be disturbed as part of the Stadium Project; however, this particular area is grass covered.

Based upon conversations with UTC, LEA and the CTDEP, this area has not been involved in the prior characterization and/or remediation activities associated with the Parcel. Accordingly, the characterization of shallow subsurface soils was completed as a component of this work.

2.2.6 *Potential Impacts To Stadium Project Development*

In summary, the ECS identified several potential development issues relative to each Environmental Unit. The Work Plan was developed based upon known and unknown potential environmental impacts to the development of the Stadium Project at the various Environmental Units. For the purpose of this work, these potential issues included the following:

1) Identification of impacted soils as a result of excavation activities associated with road construction and utility placement;

2) Identification of impacted ground water associated with the extraction of ground water during construction de-watering operations;

3) Delay in construction activities due to the collection, analyses and evaluation of additional soil and ground water characterization samples; and

4) Additional costs for soil and/or ground water remediation, if necessary.

3.0 OBJECTIVES and SCOPE OF WORK

3.1 *Objectives*

The objectives of the Soil and Ground Water Characterization Plan were to collect representative samples of soil and ground water from the Stadium Project Areas at locations that would provide:

1) additional understanding of the environmental conditions in order to fill data gaps; and
2) an initial characterization of the ground water quality beneath the Stadium Parcel, and in particular, within the footprint of the Stadium itself.

This Soil and Ground Water Characterization Report details the work that was performed in the attainment of the above noted objectives.

3.2 *Scope of Work*

In order to meet the objectives and to provide for the evaluation of the subsurface conditions beneath the Project areas, Marin advanced sixty (60) soil borings, excavated seven (7) test pits within the Former Army Barracks Leach Fields, installed twelve (12) monitoring wells to complement the three (3) existing monitoring wells across the stadium parcel, analyzed four hundred and fifty nine (459) soil analytes and one hundred and twenty-one (121) ground water analytes. Selected soil and ground water samples were collected from across the Stadium Project area at specific locations and analyzed by methods that addressed the constituents-of-concern identified as follows:

Volatile Organic Compounds (VOCs);
Semi-Volatile Organic Compounds (SVOCs);
Priority Pollutant Metals (PP13 metals);
Polychlorinated Biphenyls (PCBs);

Total Petroleum Hydrocarbons (TPH);
Pesticides; and
Herbicides.

All collected soil samples were field screened with an on-site photoionization detector (PID). Selected soil and ground water samples were then forwarded to an off-site certified laboratory for the required analyses.

The detailed scope-of-work for the sampling activities included:

1) Notification to Call Before You Dig to request the delineation of the underground utilities on site (Call #: 20002100839);

2) Collection of soil samples from locations across the stadium project area;

3) Collection of ground water samples from fifteen (15) monitoring well locations;

4) Proper placement of all selected samples into laboratory-supplied glassware and delivery to a State-certified laboratory for analyses;

5) Review of analytical results derived from the soil and ground water sampling events to determine area(s) of the site where constituents-of-concern were identified above criterion in the RSRs;

6) Provide OPM with this Report containing documentation of all activities performed on site including:

- soil and ground water sample location plan;
- discussion of the analytical methods used and the results of all sample analyses presented in summary tabular form;

- soil boring logs;
- monitoring well completion diagrams;
- comparison of the analytical results to applicable RSR Criterion;
- discussion of all Quality Assurance and Quality Control (QA\QC) measurements completed during the soil and ground water characterization;
- conclusions and recommendations section; and
- Executive Summary

This Report was developed to present the findings of the soil and ground water sampling activities.

3.3 *Deviations from the CTDEP-Approved Work Plan*

Several deviations were identified during the implementation of the Work Plan, dated May 2000. The following Table presents these deviations with the rationale for each deviation:

DEVIATION ITEM	WORK PLAN RATIONALE	DEVIATION RATIONALE
Monitoring Well WL-2 not installed.	Installation of well along the southeastern wetland area.	Did not install well due to site access and physical constraints.
Locations ARC-4 and SB-DS-03 not advanced.	Evaluate shallow soils within an archeological excavation (ARC) and drainage system (DS).	Soil borings were not advanced due to localized flooding created by a beaver dam.
Location SD-DS-04 not advanced	Evaluate shallow soils within the drainage system	Potential hazards from hornets.
Test pits advanced in place of soil borings at leach fields.	Evaluate shallow soils in the vicinity of Former Army Barracks septic systems.	Provide a more comprehensive evaluation of these areas.
Test pit excavations TP-3 and TP-4 not advanced.	Evaluate shallow soils in the vicinity of Former Army Barracks septic systems.	The locations (TP-3, TP-4) are located beneath 15 inches of concrete; inaccessible.
Monitoring Wells WL-1, WL-3 installed in slightly different locations.	Evaluate water quality as it migrates onto the site.	Locations of WL-1, WL-3 changed due to encroachment of wetlands and/or flooded area.
Added hexane as a PCB decontamination rinse.	Did not include hexane as a rinse in Work Plan.	Hexane was used as a solvent rinse for PCBs.
Total Petroleum Hydrocarbons (TPH) via EPA Method 418.1.	Analyses for TPH.	Utilized CTDEP Extractable TPH in place of EPA method 418.1.

4.0 SUBSURFACE EXPLORATIONS

All site personnel were briefed on the scope-of-work as presented in the Work Plan and completed UTC-required facility entrant security clearance and training. In addition, before work commenced on-site each day, Marin completed a site safety meeting and answered any questions posed by the assigned personnel. After completion of the daily site safety meeting, site work began. The advancement of the soil borings and monitoring well installations were performed by Aquifer Drilling and Testing (ADT), located in Albany, New York between May 22 and 24, 2000 under the observation of Marin personnel. Soil cuttings produced from the sub-surface characterization work efforts were containerized within labeled, DOT-approved 55-gallon drums. UTC provided the management and disposed, as necessary, of these materials.

4.1 *Direct-Push Soil Sampling*

Between May 22 and May 24, Marin directed the advancement of forty-eight (48) soil borings using a direct-push method. The approximate locations of the sampling points are presented on Figure 2 and the logs of the soil boring explorations and monitoring well construction diagrams prepared by Marin are included as Appendix B. All work performed within this sampling event was completed by ADT, retained by Marin. ADT utilized a truck-mounted hydraulically driven probe to advance the appropriate sampling device to the desired depth. The direct-push system uses a hydraulic hammer with the static weight of the carrier vehicle to push the sampling tool into the subsurface. A 2-inch diameter stainless steel sampling probe fitted with a dedicated disposable liner was used for the sample collection. Upon extraction of the sampling probe from the ground, the liner containing the soil core was removed from the probe and cut open for sample retrieval. New, unused liners were installed into the sampling probe prior to each sample collection. Upon sample collection, all samples were placed into laboratory provided sample containers; sealed; placed on ice; and delivered to the laboratory while maintaining a strict chain-of-custody as described in Section 5.1.5. Soil samples were retained for off-site certified laboratory analyses as indicated on Table 1.

4.2 *Hollow-Stem Auger Soil Sampling*

The sample collection locations are shown on Figure 2 and the logs of the soil boring explorations and monitoring well construction diagrams prepared by Marin are included as Appendix B. During soil sampling, soil cores were collected at continuous intervals at the locations indicated on Figure 2 using two hollow-stem auger drill rigs; one Mobile B-61 and one CME-55.

While advancing the soil borings, split-spoon core barrel samplers were used to collect soil samples at continuous (i.e., every two feet) intervals from land surface to the bottom of the boring. Split-spoon core barrel samples were collected by driving the sampler ahead of the auger flights into undisturbed sediments. This was completed by use of a standard 140 lb drop hammer with a 30 inch fall. The number of drops of the hammer (blow count) to drive the sampler at six inch intervals was recorded in either a project field book, or dedicated soil boring log form.

Immediately after each soil sample was collected, the split-spoon was opened by a Marin geologist and logged in detail for lithology and any evidence of contamination, (i.e. color, staining, odor, texture). Soil samples were also screened in the field with a Micro-Tip Photovac photoionization detector (PID) for the relative response to the presence of Volatile Organic Compounds (VOCs). The PID responses are also provided on the soil boring logs included within Appendix B. Split-spoon sample devices and down-hole drilling tools were decontaminated following the procedures outlined within the CTDEP-approved Work Plan. Soil samples were retained for off-site certified laboratory analyses as indicated on Table 1. All samples collected for laboratory analyses were immediately placed in laboratory provided containers, placed on ice, and delivered to the laboratory in accordance with strict chain-of-custody procedures as described in Section 5.1.5.

4.3 *Monitoring Well Installations and Construction*

Subsequent to completion of the applicable hollow-stem auger borehole, a ground water monitoring well was installed through the hollow-stem axis of the auger flights. Once the well was in place, the annular space around the screen zone and approximately two-feet above was gravel packed with clean NSF #0 sand. In addition, approximately two-feet of hydrated bentonite pellets was placed above the sand pack in order to seal the well screen from surface water infiltration. In the deeper nested pairs of monitoring wells (MW-SFP-1D, 2D and 3D), the remainder of the annular space (i.e., top of bentonite to surface) was tremie grouted with a cement/bentonite slurry to land surface. All monitoring wells were constructed with two-inch diameter, 10 slotted schedule 40 well screen with solid PVC casing that extended approximately two and one half feet above grade, over which a 4-inch diameter steel protective casing was placed. Well construction detail forms are provided in Appendix B. No separate phase product, or evidence of a sheen, was identified during monitoring well installations, development or subsequent sampling.

4.4 *Test Pit Excavations*

On Wednesday, May 26, 2000, a series of seven (7) test pit excavations were advanced by Absolute Tank Removal (ATR) in the areas of the Former Army Barracks septic leach fields as identified on Figure 2. The test pit trenches were excavated with a Kobelco, tracked excavator. Test pits TP-3 and TP-4 were not advanced due to the presence of approximately fifteen (15) inches of concrete at the northern portion of the north-south runway (Figure 2). As discussed in the Work Plan, the areas of test pits TP-3 and TP-4 will be evaluated for constituents-of-concern subsequent to removal of the runway. A supplemental letter report will be developed to detail this course of work and present the findings of the characterization effort. All soils removed during the test pit excavation activities were returned to the appropriate excavation.

During the advancement of test pit locations TP-1 and TP-2 (Figure 2), a distinct layer of asphalt and sub-base materials (i.e., coarse stone) were observed. The depth to the top of the remnant structure was approximately 1 foot below existing grade. The full lateral extent and/or direction of the asphalt layer were not characterized as components of the field work.

At test pit locations TP-7 and TP-8 (Figure 2), two former Army Barracks septic leach field laterals were observed. The laterals were oriented in a northwest to southeast direction as illustrated on Figure 2. Native soil samples were collected from directly underneath the lateral backfill materials and analytical results are discussed in Section 6.0 – Analytical Results and Discussion. No other anomalous observations were noted at the remaining two test pits excavated.

4.5 *Ground Water Sampling*

Marin personnel completed the ground water sampling effort between June 5 and 9, 2000. During this timeframe, fifteen (15) monitoring wells (i.e., 12 newly installed and 3 existing monitoring wells) were sampled for the constituents-of-concern as identified in Section 3.2. Sampling activities were completed with low-flow equipment and techniques in accordance with the CTDEP-approved Work Plan. Appendix C contains the field sample data sheets for the ground water sampling event. All purge water and other aqueous solutions (i.e., decontamination fluids) were containerized within labeled, DOT-approved, 55-gallon drums. UTC provided for the management and disposal, as necessary, of these materials.

4.6 *Geology*

Rentschler Field is located a short distance east of the pre-glacial channel of the Connecticut River. Glaciers advanced during the early Pleistocene and retreated in the later Pleistocene. As the glaciers continued to retreat, the Connecticut lowlands were occupied by a large lake created by a natural dam located near what is now Rocky Hill,

Connecticut. Sediments carried by the melt waters accumulated in this lake for thousands of years. Typically, the finest grained sediments (clays) settled out in seasonal periods when the lake waters were very still (e.g. when frozen over) while the coarser sediments (silts, sand) settled in the lake more continually. This resulted in a rhythmic lamination in the sediments with clayey layers alternating with silty/sandy layers (varves). These alternating types of sediments, or varved clays and silts, are found beneath the Stadium Parcel at thickness' of 70 to 110 feet and are indicated in the geologic literature to be thicker (perhaps as much as 300 feet thick) below adjoining areas to the southwest.

As components of the Stadium Project, several subsurface characterization efforts were completed for geotechnical and environmental evaluations. In addition to Marin's sixty-four (64) environmental characterization soil borings, GZA GeoEnvironmental, Inc. (GZA) advanced at least thirteen (13) geotechnical soil borings in the area of the proposed stadium footprint.

A layer of fine to coarse grained alluvial sand is found to overlie the varved clays and silts at the Stadium Parcel. Near surface portions of these sandy soils have been disturbed by agriculture and grading for the current airfield, but there is no indication of large scale earthmoving at the site. Marin's soil borings indicated that the sand layer is typically 10 to 12 feet thick across the Parcel. Figure 2 presents the location of the Cross-Section A-A' line. Figure 3 illustrates a generalized geologic cross-section of the Stadium parcel in a northwest to southeast view. As indicated on Figure 3, two (2) distinctive lithologic features characterize the subsurface; fine to coarse alluvial sands, and the varved clays, silts and fine sands.

4.7 *Hydrogeology*

Based upon review of the LEA ground water contour map, dated January 13, 2000, the area-wide general trend of the ground water flow direction is to the southwest, across the northern portion of the airport. The depth to water at that time was rather shallow (3 to 8 feet) with a corresponding low hydraulic gradient in the range of 0.004 feet/foot (ft/ft).

Given the rather flat topography in the vicinity of the Stadium Parcel, this low hydraulic gradient is to be expected.

As a component of Marin's subsurface characterization efforts, a series of three (3) cluster monitoring wells (identified as MW-SFP 1, 1D; 2, 2D; and 3, 3D) were installed. A cluster well consists of a shallow well that is screened across the water table aquifer (i.e., within the sand formation) and a nearby deeper well that is screened within the varved clays and silts. Each well provides specific information to the particular lithologic unit to which it is screened within. That is to say, as illustrated on Figure 3, there are generally two saturated lithologic units beneath the Stadium Parcel; therefore, two hydrologic units. The three deeper monitoring wells were not used to evaluate the ground water flow direction and/or gradient of the water table aquifer unit. Likewise, the shallow monitoring wells were not used for evaluating the deeper aquifer flow direction and/or gradient.

Marin collected two rounds of depth-to-water measurements during the field work activities; May 25 and June 5, 2000. These measurements were subtracted from the surveyed elevations of the fifteen (15) Stadium Parcel monitoring wells. The mathematical calculation was performed in order to develop a ground water contour map for the respective dates. Table 2 presents the depth-to-water measurements and corresponding ground water elevations. Figure 4 illustrates the ground water elevations as well as the generalized ground water flow direction for these two measurement events. The overall horizontal component of ground water flow is to the northwest. This direction is inconsistent with the previously reported historical direction, or to the southwest. However, given the high levels of precipitation as well as the flooded sections of land in the southeast portion of the Parcel, the corresponding directional change is to be expected. The hydraulic gradient, between monitoring wells MW-17s and MW-WB-1, remained consistent with the historically reported range of 0.004 ft/ft. Again, given the rather flat topography in the vicinity of the Stadium Parcel, this low hydraulic gradient is to be expected.

A comparison of the water table elevation data between the shallow and deeper nested monitoring well pairs was also performed. The purpose of this evaluation was to determine what, if any, vertical hydraulic gradients were observable during the two measurement events. As presented on Table 2, the ground water elevations of the deeper wells are generally less than those of the shallow wells. Accordingly, based on these data, there is a downward component of flow in the vicinity of the Stadium footprint.

5.0 SAMPLE COLLECTION AND ANALYSES METHODS

5.1 *Collection and Analyses*

At each prescribed soil sample location, attempts were made to remove any inconsequential or deleterious surface debris (e.g., vegetation, rocks, loose leaves, and sticks). In the one area of the site covered by asphalt pavement (SB-SFP-2), the pavement was cored to the soil surface removing any remnants of the pavement or pavement sub-base. A soil core was then collected using the hollow-stem drilling method with split-spoon sampler retrieval. The split-spoon sampling device was decontaminated between sample intervals and locations. When using the direct-push method, upon extraction of the sampling probe from the ground, the liner containing the soil core was removed from the probe, and cut open for sample retrieval. New unused liners were installed into the sampling probe prior to each sample collection. Ground water samples were collected with low-flow equipment and techniques as presented in the CTDEP-approved Work Plan.

5.1.1 ***Field Screening***

Initially upon removal of the soil sample core from the sampling device (i.e., liner or split-spoon), a photoionization detector (PID) equipped with an 11.7 eV lamp calibrated on each day of site activities to an isobutylene standard was used to screen the soil core for the area of the core exhibiting the highest response.

Following the collection of the section of the core to be used for the laboratory analysis of volatiles, a section of the core, from the same interval as the sample collected, was placed in a plastic, zip-lock style bag for further site screening. The zip-lock style bag was sealed and agitated to allow for the release of any VOCs into the head space of the bag. After approximately ten minutes, the seal was slightly opened to allow for the probe of the PID to be inserted to allow for

general security procedures were performed in accordance with laboratory requirements.

5.1.6 ***Packaging and Shipping***

Sample packaging and shipping procedures were performed in accordance to the Work Plan. The shipment of all samples was completed within waterproof plastic coolers only. The drain valves were taped closed, both internally and externally.

Sample bottles were enclosed in clear plastic bags through which sample labels were visible. Bottles were placed upright in the cooler in such a way that they did not touch during shipment. Sample containers were either picked up by a laboratory representative or delivered to the laboratory by Marin personnel.

To verify that the samples had been maintained at a temperature of 4^0C, a temperature blank was enclosed in each cooler. The temperature of the blank was taken immediately upon receipt at the laboratory, prior to inventory and refrigeration. All samples were delivered at 4^0C.

6.1 *Former Silver Lane Pickle Company Area*

6.1.1 *Volatile Organic Compounds (VOCs)*

Three soil samples [581-SSWB1(10-12'), 581-SSWB2 (0-2'), and 581-SSWB3 (8-10')] were collected from the respective borings and analyzed for VOCs via EPA method 8260B. As presented on Table 3, VOCs were not detected in the soil samples collected from these locations.

6.1.2 *Semi-Volatile Organic Compounds (SVOCs)*

Two soil samples [581-SSWB1 (10-12') and 581-SSWB2 (0-2'] were collected from borings and analyzed for SVOCs via EPA method 8270C. As presented on Table 4, SVOCs were not detected in the soil samples collected from these locations.

6.1.3 *Polychlorinated Biphenyls (PCBs)*

Four soil samples [581-SSWB1 (10-12'), 581-SSWB2 (0-2'), 581-SSWB3 (8-10'), 581-SSWB3 (12-14')] were collected from the respective borings and analyzed for PCBs via EPA method 8082. As presented on Table 5, PCBs were not detected in the soil samples collected from these locations.

6.1.4 *Pesticides and Herbicides*

Three soil samples [581-SSWB1 (0-2'), 581-SSWB2 (0-2') and 581-SSWB3 (0-2')] were collected from the respective borings and analyzed for pesticides via EPA method 8081A, and herbicides via EPA method 8150. As presented on Tables 6, pesticides or herbicides were not detected in the soil samples collected from these locations.

6.1.5 *Total Petroleum Hydrocarbons(TPH)*

Three soil samples [581-SSWB1 (10-12'), 581-SSWB2 (0-2') and 581-SSWB3 (8-10')] were collected from the respective borings and analyzed for TPH via CTDEP ETPH method. As presented on Table 7, TPH was not detected in the soil samples collected from these locations.

6.1.6 *Priority Pollutant Metals*

Three soil samples [581-SSWB1 (10-12'), 581-SSWB2 (0-2'), and 581-SSWB3 (8-10')] were collected from the respective borings and analyzed for the 13 priority pollutant metals via EPA methods 6010/7000. As indicated on Table 8, priority pollutant metals were not detected above their respective criterion (RES, I/C DEC) and are consistent with background concentrations as established by F&O and LEA.

6.2 *Northern Klondike Area*

6.2.1 *Volatile Organic Compounds (VOC)*

As previous characterization and remedial efforts (UTC, LEA) indicated that VOCs were addressed as a COC, soil samples were not collected or analyzed for VOCs at this location.

6.2.2 *Semi-Volatile Organic Compounds (SVOC)*

As previous characterization and remedial efforts (UTC, LEA) indicated that SVOCs were addressed as a COC, soil samples were not collected or analyzed for VOCs at this location.

6.2.3 *Polychlorinated Biphenyls (PCBs)*

One soil sample [(581-SSCT7 (6-10')] was collected from its respective boring and analyzed for PCBs via EPA method 8082. As presented on Table 5, PCBs were not detected in the soil sample collected from this location.

6.2.4 *Pesticides and Herbicides*

One soil sample (581-SSCT7 (0-2')) was collected from its respective boring and analyzed for pesticides via EPA method 8081A, and herbicides via EPA method 8150. As presented on Table 6, pesticides or herbicides were not detected in the soil sample collected from this location.

6.2.5 *Total Petroleum Hydrocarbons (TPH)*

As previous characterization and remedial efforts (UTC, LEA) indicated that TPH was addressed as a COC, soil samples were not collected or analyzed for TPH at this location.

6.2.6 *Priority Pollutant Metals*

As previous characterization and remedial efforts (UTC, LEA) indicated that priority pollutant metals were addressed as a COC, soil samples were not collected or analyzed for priority pollutant metals at this location.

6.3 *Former Army Barracks Area*

6.3.1 *Volatile Organic Compounds (VOCs)*

Seven test pit soil samples [581-SSTP01 (2-3'), 581-SSTP02 (2-3'), 581-SSTP05 (2.5-3.0'), 581-SSTP06 (2.5-3.0'), 581-SSTP07 (2.5-3.5'), 581-SSTP08 (2.5-3.5'), and 581-SSTP09 (1.5-2.5')] were collected from their respective test pits and analyzed for VOCs via EPA method 8260B. As presented on Table 3, VOCs were not detected in the soil samples collected from these locations.

6.3.2 *Semi-Volatile Organic Compounds (SVOCs)*

Due to the low potential of SVOC occurrence at these locations, no soil samples were collected or analyzed for SVOCs at these locations.

6.3.3 *Polychlorinated Biphenyls (PCBs)*

Seven test pit soil samples [(581-SSTP01 (2-3'), 581-SSTP02 (2-3'), 581-SSTP05 (2.5-3.0'), 581-SSTP06 (2.5-3.0'), 581-SSTP07 (2.5-3.5'), 581-SSTP08 (2.5-3.5'), and 581-SSTP09 (1.5-2.5')] and one soil boring soil sample (581-SSLF1 (10-12') were collected and analyzed for PCBs via EPA method 8082. As presented on Table 5, PCBs were not detected in the soil samples collected from these locations.

6.3.4 *Pesticides and Herbicides*

Seven test pit soil samples [(581-SSTP01 (2-3'), 581-SSTP02 (2-3'), 581-SSTP05 (2.5-3.0'), 581-SSTP06 (2.5-3.0'), 581-SSTP07 (2.5-3.5'), 581-SSTP08 (2.5-3.5'), and 581-SSTP09 (1.5-2.5')] and one soil boring soil sample (581-SSLF1 (0-2') were collected and analyzed for pesticides via EPA method 8081A and

herbicides via EPA method 8150. As presented on Table 6, pesticides or herbicides were not detected in soil samples collected from these locations.

6.3.5 *Total Petroleum Hydrocarbons(TPH)*

Seven test pit soil samples [(581-SSTP01 (2-3'), 581-SSTP02 (2-3'), 581-SSTP05 (2.5-3.0'), 581-SSTP06 (2.5-3.0'), 581-SSTP07 (2.5-3.5'), 581-SSTP08 (2.5-3.5'), and 581-SSTP09 (1.5-2.5')] and one soil boring soil sample (581-SSLF1 (0-2') were collected and analyzed for TPH via CTDEP ETPH method. As presented on Table 7, TPH was detected in soil sample 581-SSTP06 (2.5-3.0') at a concentration of 286 milligrams per kilogram (mg/kg). This concentration is well below both the RES DEC (500 mg/kg), and I/C DEC (2,500 mg/kg). Likewise, the detectable TPH concentration is well below the GB Pollutant Mobility Criteria (GB PMC) of 2,500 mg/kg. TPH was not detected in any of the remaining soil samples analyzed from these locations.

6.3.6 *Priority Pollutant Metals*

Seven test pit soil samples [(581-SSTP01 (2-3'), 581-SSTP02 (2-3'), 581-SSTP05 (2.5-3.0'), 581-SSTP06 (2.5-3.0'), 581-SSTP07 (2.5-3.5'), 581-SSTP08 (2.5-3.5'), and 581-SSTP09 (1.5-2.5')] and one soil boring soil sample (581-SSLF1 (0-2') were collected and analyzed for the 13 priority pollutant metals via EPA method 6010/7000. As presented on Table 8, priority pollutant metals were not detected above their respective criterion (RES DEC, I/C DEC) and are consistent with background concentrations as established by F&O and LEA.

6.4 *Northern Airport Runway Area*

6.4.1 *Volatile Organic Compounds (VOCs)*

Twenty-four (24) soil samples (see Table 1 for Sample Summary) were collected from various respective borings and analyzed for VOCs via EPA method 8260B. Analytical results (Table 3) indicate that tetrachloroethylene (PCE) was detected in soil sample 581-SSAR5 (0-2') at a concentration of 0.033 mg/kg. This concentration is well below both the RES and I/C DEC criterion of 12 and 110 mg/kg, respectively. Likewise, this concentration is well below both the soil RES Volatilization Criteria (VC) and I/C VC criterion of 11 and 27 mg/kg, respectively, below the GB PMC of 1 mg/kg, and slightly above the analytical detection limit of 0.01 mg/kg. No additional VOCs were detected in the soil samples analyzed from the twenty-four (24) location samples.

6.4.2 *Semi-Volatile Organic Compounds (SVOCs)*

Nineteen (19) soil samples (see Table 1 for Sample Summary) were collected from various respective borings and analyzed for SVOCs via EPA method 8270C. Analytical results (Table 4) indicate that benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene were detected in soil sample 581-SSDS6 (0-2') at concentrations exceeding both RES DEC, and I/C DEC. Sample 581-SSDS6 (0-2') was reanalyzed and the analytical results indicate that SVOCs were not detected in the sample. In addition, SVOCs were not detected in any of the remaining soil samples collected from across the stadium parcel. Accordingly, Marin believes that an extraneous piece of material (i.e., asphalt) may have been inadvertently included within the original sample. It should be noted that a distinct layer of asphalt was observed at test pit locations TP-1 and TP-2. This asphalt layer appeared to be a remnant roadway as sub-base materials (i.e., coarse

stone) were observed beneath the asphalt. Location 581-SSDS6 (0-2') may have inadvertently made contact with a contiguous portion of the former roadway.

6.4.3 *Polychlorinated Biphenyls (PCBs)*

Thirty-two (32) soil samples (see Table 1 for Sample Summary) were collected from various borings and analyzed for PCBs via EPA method 8082. Analytical results (Table 5) indicate that PCBs were not detected in the soil samples collected from this area.

6.4.4 *Pesticides and Herbicides*

Thirty-five (35) soil samples (see Table 1 for Sample Summary) were collected from various borings and analyzed for pesticides via EPA method 8081A and herbicides via EPA method 8150. As presented on Table 6, analytical results indicate that the herbicide 4,4'-DDT was detected in soil sample 581-SSWL-1 (0-2') at a concentration of 0.127 mg/kg. This concentration is below both the RES and I/C Criterion of 1.8 mg/kg and 17 mg/kg, respectively. According to the CTDEP "Approved Criteria for Additional Polluting Substances", dated April 1999, the GB PMC for 4,4-DDT is currently under review. The detection of 4,4-DDT at 0.127 mg/kg is above the detection limit of 0.05 mg/kg; however, it is considered an aberration attributable to limited historical use. Pesticides or herbicides were not detected in the remaining soil samples analyzed throughout the Stadium Project areas.

6.4.5 *Total Petroleum Hydrocarbons (TPH)*

Twenty-nine (29) soil samples (see Table 1 for Sample Summary) were collected from various borings and analyzed for TPH via CTDEP ETPH method. Analytical results (Table 7) indicate that TPH was not detected in the soil samples collected from this area.

6.4.6 ***Priority Pollutant Metals***

Twenty-nine (29) soil samples (see Table 1 for Sample Summary) were collected and analyzed for the 13 Priority Pollutant Metals via EPA methods 6010/7000. Initial analytical results (Table 8) indicate that ten (10) samples collected from MW-SFP-1D (581-SS-SF1D), MW-SFP-2D (581-SS-SF2D), MW-SFP-3D (581-SS-SF3D), SB-SFP-4 (581-SSSFP4), and SB-SFP-1 (581-SSSF1) contained arsenic concentrations above the RES DEC and I/C DEC of 10 mg/kg. Exceedances ranged from 11.7 mg/kg in 581-SS-SF2D (14-16') to 21.5 mg/kg in 581-SSSFP4 (20-22'). Depths at which these concentrations were detected ranged from 14 to 26 feet below grade. These depths coincide with the glaciolacustrine, varved silt and clay deposits. No additional exceedences were detected in the soil samples collected from this area.

The ten (10) soil samples that exceeded the RES DEC and I/C DEC of 10 mg/kg were re-analyzed for arsenic. As DEC criterion apply to soils within fifteen (15) feet of the surface, the purpose for completing the additional analysis pertained to potential soil management subjects during Stadium construction, rather than compliance issues relative to insitu RSR criteria. The majority of soils within stadium footprint are scheduled to be excavated to approximately 30 feet below ground surface during construction activities. Accordingly, the excavated soils are required to meet certain criteria under the RSRs.

Two types of additional analyses were performed; Synthetic Precipitation Leaching Procedure (SPLP), and total, or mass, analysis. The SPLP analysis evaluates the potential for a certain analyte to leach from soils. In the circumstance of arsenic, the GB PMC (leachability) criteria is 0.05 milligrams per liter (mg/L). As indicated on Table 9, analysis of the soil samples indicate that all results of the SPLP analysis were below the detection limit of 0.05 mg/L and the GB PMC of 0.05 mg/L. Additional total, or mass, analysis were performed in

order to confirm the results of the initial analysis. As indicated on Table 10, all soil samples results were below the RES DES and I/C DEC of 10 mg/kg.

The difference between the original total analysis and the subsequent analysis is attributable to two (2) factors: 1) soil moisture content; and 2) soil homogeneity. Soil moisture ranged from 20 to 37 percent, and may at times create a slight interference with analytical instrumentation. Likewise, as the samples contained a majority of clay constituents, and inorganics tend to sorb to clay minerals, a false positive, or higher concentration may be reported by the laboratory. Appendix D contains the laboratory narrative specific to the additional total analysis for arsenic.

Given these data, the original arsenic concentrations have been withdrawn. Based upon the SPLP and additional total arsenic concentrations, soils from the excavated foot print may be managed as clean fill materials.

6.5 *Off-Site Grass Parking Area*

6.5.1 *Volatile Organic Compounds (VOCs)*

Sixteen (16) soil samples (see Table 1 for Sample Summary) were collected from various borings and analyzed for VOCs via EPA method 8260B. Analytical results (Table 3) indicate that VOCs were not detected in the soil samples collected from this area.

6.5.2 *Semi-Volatile Organic Compounds (SVOCs)*

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One soil sample (581-SSGP1 (2-6')) was collected from this area and analyzed for SVOCs via EPA method 8270C. Analytical results (Table 4) indicate that SVOCs were not detected in the soil samples collected from this area.

6.5.3 *Polychlorinated Biphenyls (PCBs)*

Eleven (11) soil samples (see Table 1 for Sample Summary) were collected from various borings and analyzed for PCBs via EPA method 8082. Analytical results (Table 5) indicate that PCBs were not detected in soil samples collected from this area.

6.5.4 *Pesticides and Herbicides*

Twenty (20) soil samples (see Table 1 for Sample Summary) were collected from the borings and analyzed for pesticides via EPA method 8081A and herbicides via EPA method 8150. Analytical results (Table 6) indicate that pesticides or herbicides were not detected in soil samples collected from this area.

6.5.5 *Total Petroleum Hydrocarbons*

Sixteen (16) soil samples (see Table 1 for Sample Summary) were collected from various borings and analyzed for TPH via CTDEP ETPH method. Analytical results (Table 7) indicate that TPH was not detected in soil samples collected from this area.

6.5.6 *Priority Pollutant Metals*

Sixteen (16) soil samples (see Table 1 for Sample Summary) were collected from various borings and analyzed for the 13 Priority Pollutant Metals via EPA methods 6010/7000. Analytical results (Table 8) indicate that priority pollutant metals were not detected in soil samples that exceeded applicable criteria. Detected analytical values are consistent with F&O and LEA established background soil quality levels.

6.6 *Ground Water*

The Stadium Parcel is located within an area that the CTDEP has classified as GB ground water. In general terms, based upon this CTDEP classification, there are no analyte-specific ground water standards for water quality in this area. However, several exceptions to this rule may apply on a site-specific basis. For instance, Volatilization Criteria (VC) for ground water and soil vapor, and Surface Water Protection Criteria (SWPC). With specific reference to the Surface Water Protection Criteria, the RSRs state in Section 22a-133k-3(b)(2), that "if a ground water plume discharges to a wetland or an intermittent stream, each substance therein shall be remediated to a concentration equal to or less than the applicable aquatic life criteria contained in Appendix D to the most recent Water Quality Standards, or equal to or less than an alternative water quality criterion adopted by the Commissioner...". Between June 5 and June 9, 2000, fifteen (15) ground water samples were collected from the on-site ground water monitoring wells. The ground water samples were analyzed for all constituents-of-concern by CTL including VOCs, SVOCs, PCBs, Pesticides, Herbicides, TPH and Priority Pollutant Metals.

6.6.1 *Volatile Organic Compounds (VOCs)*

Of the fifteen (15) ground water samples that were collected and analyzed for VOCs, none were detected (Table 11).

6.6.2 *Semi-Volatile Organic Compounds (SVOCs)*

Of the fifteen (15) ground water samples that were collected and analyzed for SVOCs, none were detected (Table 12).

6.6.3 *Polychlorinated Biphenyls (PCBs)*

Of the fifteen (15) ground water samples that were collected and analyzed for PCBs, none were detected (Table 13).

6.6.4 *Pesticides and Herbicides*

Of the fifteen (15) ground water samples that were collected and analyzed for Pesticides and Herbicides, none were detected (Table 14).

6.6.5 *Total Petroleum Hydrocarbons (TPH)*

Of the fifteen (15) ground water samples that were collected and analyzed for TPH, none were detected (Table 15).

6.6.6 *Priority Pollutant Metals*

Of the fifteen (15) ground water samples that were collected and analyzed for Priority Pollutant Metals (Table 16), three (3) metals were detected above the Aquatic Life Criteria (Table 17). With reference to the Aquatic Life Criteria (ALC), two separate areas have been identified with impacts where ground water may discharge to a mapped wetland receiving water body. As presented on Table 16, monitoring wells MW-WL-3 and MW-WB-1 each exhibited a slight exceedance of mercury at 0.02 micrograms per liter (ug/L), or parts per billion. The ALC for mercury is 0.012 ug/L. Monitoring well MW-WL-3 also exhibited an exceedance of copper at 12 ug/L and lead at 2.0 ug/L. The ALC for copper is 4.8 ug/L and lead is 1.2 ug/L. Figure 5 illustrates the locations of the monitoring wells used for the characterization of the Stadium Project and presents these data.

It is recommended that at least one additional ground water sampling event be performed to include all of the monitoring wells across the Stadium Parcel. Particular emphasis should be placed on monitoring wells MW-WL-3 and MW-WB-1. The concentrations of mercury, copper and lead are above the ACL; however, at such low levels, entrained silt from the newly installed wells may have influenced the concentrations of these analytes.

7.0 SAMPLING QUALITY ASSURANCE AND QUALITY CONTROL

Field sampling quality assurance included the collection of three types of quality control samples; equipment blanks, trip blanks and replicate samples. Quality control checks on field activities were performed to assure collection of data that is representative and valid.

7.1 *Equipment Blanks*

Equipment blanks were required to demonstrate that the sampling equipment, in this case the sample devices and hand sampling equipment, were appropriately cleaned in the field. In addition, the equipment blanks were used to assess whether the sampling equipment was contributing toward the potential cross contamination of field collected samples. Equipment blank samples consisted of laboratory-supplied, reagent grade water collected from a final rinse of sampling equipment after the decontamination procedure was performed. The equipment blanks were analyzed for all of the parameters being sampled at that time. Results of the equipment blanks are summarized on Table 18, *QA/QC Results*.

A total four (4) equipment blanks (i.e., EB001 through EB004) were collected during the soil characterization sampling activities. Sampling equipment evaluated during the process included the direct push sample probe, hand sampling equipment, and split-spoon devices.

As indicated on Table 18, with one exception, all analyses were below the applicable analytical detection limits. The one exception, EB001, detected copper at 0.02 mg/l. This value slightly exceeds the detection limit of 0.01 mg/l and does not represent a significant amount of residue that remained on the sample device. Accordingly, this concentration would not contribute to any cross-contamination of environmental samples.

One (1) equipment blank was collected during the ground water sampling event from the low-flow sampling pump. As indicated on Table 19, all analyses were below the

applicable analytical detection limits. Accordingly, the decontamination procedures utilized during the soil and ground water characterization events were appropriate to prevent cross-contamination.

7.2 *Trip Blanks*

Trip blanks were used for site activities when sampling for VOCs in ground water. The purpose of analyzing these control samples was to determine if potential cross-contamination occurred as a result of improper sample container cleaning, contaminated blank source water, sample contamination during storage and transportation and other environmental conditions during the sampling event. Trip blanks consisted of containers of laboratory-supplied reagent-grade water that were kept with the field ground water sample containers from the time they left the laboratory until the time they were returned to the laboratory. Trip blanks applied only to VOC analyses; therefore, the containers contained no head space. One trip blank was supplied for each sample cooler containing VOC sample bottles per shipment event.

The trip blanks identified as TB001 (6/5/00) and TB002 (6/7/00) were analyzed for VOCs using the same methods as the ground water sampling activities (i.e., EPA method 8260B). As presented on Table 19, all analysis were below the applicable analytical detection limits. Accordingly, no VOC cross-contamination occurred during the ground water sampling event.

7.3 *Replicate Samples*

Field replicate, or duplicate, samples were collected to provide information on homogeneity of the samples as well as sample handling, shipping, storage, preparation, and analyze. The replicate samples were obtained by collecting two identical sets of samples from a single sample location. The individual replicate samples was analyzed for all of the parameters being analyzed for in the original sample. Results of the replicate samples are summarized on Table 18 for soils and Table 19 for ground water. The

CTDEP-approved Work Plan for this project dictated that as a measure of precision, field duplicate precision would be within a factor of 5 for the replicate soil parameters.

Replicate sample RS001 was a duplicate of soil sample 581-SSWL-1, 8-10' and replicate soil sample RS002 was a duplicate of a soil sample 581-SSWL-3, 2-24'. A review of the analyses indicated that all parameters were within the precision requirement of a factor of 5.

7.4 *Laboratory Quality Assurance*

Quality control measurements for analytical protocols were designed to evaluate laboratory performance, and measurement biases resulting from the sample matrix and field performance. CTL received and analyzed the samples for this project. The requirements for testing and quality assurance requested by Marin followed standard format. These included chain(s)-of-custody, laboratory surrogate recoveries, blanks, calibrations and field collected samples. Tables 20 and 21 present the laboratory QC data for soil and ground water, respectively. The surrogate recovery compounds are within acceptable ranges.

7.5 *Data Quality Objectives*

The objectives of the Work Plan were to provide a further characterization and evaluation of the nature and extent of potential environmental impacts that may potentially exist at the site as a result of:

1) former Army Barracks operations;
2) former Airport operations;
3) former operations of the current owner(s); and
4) potential off-site sources of impacts that may effect the Stadium Parcel and potentially impede future development of the Parcel.

Data Quality Objectives (DQOs) are developed to ensure that the data collected will be of sufficient quantity and quality for their intended uses. Data use is defined by the types of decisions made with the data, the required quantity and precision, and the methods by which data is be collected and analyzed. The purpose of the characterization effort was to collect the data necessary in order to assess the presence/absence of potential contaminants in the areas identified above.

The analytical techniques used during the implementation of the Work Plan are described as being one of the following levels:

- Level I - field screening or analysis using portable instruments (i.e., PID). Results are often not compound specific and not quantitative but results are available in real-time and were used as a screening tool to select samples to be used with Level III analytical techniques.

- Level III - sample analyses performed in an offsite analytical laboratory using standard, documented EPA SW-846 procedures and protocols.

7.5.1 *Characteristics of Data Quality*

The precision, accuracy, completeness and comparability (PACC) parameters are the characteristics of data quality and are described below:

Precision is the mutual agreement among individual measurements of the same property and is a measure of the random error component of the data collection process. The overall precision of the data is the sum of that due to sampling and analysis. To determine the analytical precision of the method and/or laboratory analyst, a routine program of replicate analyses is performed. The results of the replicate analyses are used to calculate the relative percent difference (RPD), which is the governing QC parameter for precision.

Accuracy is the agreement between a measurement and the true value. It is a measure of the bias or systematic error of the entire data collection process. Sampling accuracy is assessed by evaluating the results of field and trip blanks. To determine the accuracy of an analytical method, a periodic program of laboratory control sample spiking is performed. The results of sample spiking are used to calculate the quality control parameter for accuracy evaluation, the percent recovery (%R).

Completeness is the adequacy in quantity of valid measurements to prevent misinterpretation.

Comparability is the extent to which comparisons among different measurements of the same quantity or quality will yield a valid conclusion.

7.5.2 ***Objectives for Precision, Accuracy, Completeness, and Comparability***

The objectives for precision and accuracy for each chemical are based mainly on the capabilities of the approved SW-846 analytical methods with respect to laboratory performance. The CTDEP-approved Work Plan stated that field replicate, or duplicate, precision would be within a factor of 5 for both soil and ground water parameters. As indicated on the Field QA/QC Summary Tables, all replicate soil and ground water samples were within this range. Additionally, laboratory Q/C data evaluation including surrogate recoveries, duplicates and spiked duplicates were within acceptable ranges. Accordingly, the objectives for precision and accuracy have been attained.

Since standard sampling procedures and analytical methods are being used, 100% completeness was achieved for all Level III analytical techniques. In addition, the resulting data from the samples collected and analyzed using the Level III analytical techniques should be comparable with other data collected using like sampling and analytical methods under similar field conditions and same general locations.

8.0 POTENTIAL IMPACTS TO STADIUM PROJECT DEVELOPMENT

The results of the various characterization efforts do not indicate the presence of a major environmental concern that may present an impediment to the proposed Stadium Project. Several relatively minor and manageable potential issues exist as a result of environmental releases and impacts in the area of the Stadium Project. These minor issues are the result of the documented environmental impacts from the various Environmental Units. These potential issues include, but may not necessarily be limited to, additional environmental impacts identified during subsequent sampling events, construction related excavation and de-watering activities. Such issues, if they arise, can be mitigated by standard remediation techniques. It is assumed that the completed remediation efforts by UTC will continually reduce the significance of any of the above-noted potential issues. In order for UTC to demonstrate full compliance with the RSRs, the implementation and completion of the post-remedial ground water monitoring program will be required. Section 9.2 presents Marin's recommendations to further remove the Stadium Project from potential adverse environmental impacts and the possible development of a remedial cost estimate associated with the construction of the Stadium, and to demonstrate conformance with the RSRs.

9.0 CONCLUSIONS AND RECOMMENDATIONS

9.1 *Conclusions*

Based upon the work completed during the Stadium Project characterization effort, the following conclusions are presented:

- Between May 22 and June 9, 2000, Marin Environmental, Inc. completed the characterization effort of the Stadium Parcel and Off-Site Supplemental Grass Parking Area. The characterization effort included the following: advancement of sixty-four (64) soil borings; installation of twelve (12) monitoring wells to complement the three (3) existing monitoring wells; advancement of seven (7) test pits within the Former Army Barracks leach fields; and certified-laboratory analyses of four hundred fifty nine (459) soil analytes and one hundred twenty one (121) ground water analytes;

- Constituents-of-concern for the characterization of the Stadium Project included; Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), Pesticides, Herbicides, Priority Pollutant Metals (PP13 metals), Polychlorinated Biphenyls (PCBs), and Total Petroleum Hydrocarbons (TPH);

- Based upon CTDEP correspondence, two "mounded" areas and a "parking lot sweepings area" are located within the Northern Klondike Environmental Unit. Upon review of the LEA information, these areas have not been characterized for the chemical constituents-of-concern. The two "mounded" areas are not located within the Project boundaries; therefore, characterization is not required by the Project. The "parking lot sweepings area" is within the Project boundaries and should be adequately characterized for the chemical constituents-of-concern;

- The Northern Klondike Environmental Unit has undergone soil remediation efforts with almost all post-excavation soil sample results below applicable RSR criterion.

However, according to CTDEP, test pit NK-TP-02 requires additional analyses for Total Petroleum Hydrocarbons (TPH). The area of test pit NK-TP-02 is not located within the Project boundaries; therefore, characterization is not required by the Project;

- Based upon review of additional data supplied by UTC, in general, the soils within the Former Silver Lane Pickle Company and Northern Klondike Environmental Units have been remediated in accordance with the Remediation Standard Regulations (RSRs). The RSRs require the implementation and completion of post-remedial ground water monitoring in these areas;

- With reference to the Aquatic Life Criteria, two separate areas have been identified with potential impacts to ground water as it may discharge to a mapped wetland receiving water body. Monitoring wells MW-WL-3 and MW-WB-1 each exhibited a slight exceedance of mercury at 0.02 ug/l; monitoring well MW-WL-3 also exhibited an exceedance of copper at 12 ug/l and lead at 2.0 ug/l. No other impacts to ground water or surface water were identified; and

- No exceedances of soil quality standards were identified.

- During this characterization event, the overall horizontal component of ground water flow was to the northwest. This direction is inconsistent with the previously reported historical direction, or to the southwest. The directional change is most likely due to the high amounts of precipitation as well as the flooded sections of land in the southeast portion of the Parcel. The overall hydraulic gradient, between monitoring wells MW-17s and MW-WB-1, remained consistent with the historically reported range of 0.004 ft/ft.

- A comparison of the water table elevation data between the shallow and deeper nested monitoring well pairs indicated that there is a downward component of flow in the vicinity of the Stadium footprint.

9.2 *Recommendations*

In order to further remove the Stadium from potential adverse environmental impacts related in soil and ground water, it is recommended that the following be implemented in order to complete data gaps, prepare a remedial cost estimate associated with the construction of the Stadium, and to demonstrate conformance with the RSRs:

Should add more points (sampling)

- Perform at least one additional ground water sampling event to include all of the monitoring wells across the Stadium Parcel. Particular emphasis should be placed on monitoring wells MW-WL-3 and MW-WB-1. The concentrations of mercury, copper and lead tested above the Aquatic Life Criteria; however, at such low levels, entrained silt from the newly installed wells may have influenced the concentrations of these analytes;

- In order to provide engineering controls of the shallow ground water during construction and operation of the Stadium Project, a bentonite-slurry cut off wall is to be installed. This wall will impede ground water infiltration to the construction area. Likewise, the cut off wall will impede the transport of identified, low-level exceedances of the Aquatic Life Criteria at the two locations along the Project boundaries;

- Review the UTC implementation and completion of the post-remedial ground water monitoring plan and resultant data in order to evaluate the demonstration of full compliance with the RSRs;

- The area of the "mounds" (including test pit NK-TP-02) are located within the Northern Klondike Environmental Unit; however, outside of the Project boundaries. Further chemical characterization of these areas is not included within the Stadium Project requirements.

- The "parking lot sweepings area" is located within the Stadium boundary. This area must be characterized in accordance with the RSRs, and with CTDEP approval. If exceedances of the RSRs are identified, the CTDEP will most likely require the development of a Remedial Action Plan and/or Soil Management Plan;

- Provide for the periodic inspection of construction-related activities for the purpose of evaluating potential environmentally related issues;

- Implement the CTDEP requested additional soil characterization efforts and submit a supplemental report by April 2001; and

- The areas of test pits TP-3 and TP-4 will be evaluated for constituents-of-concern subsequent to removal of the runway. A supplemental letter report will be developed to detail this course of work and present the findings of the characterization effort.

- As - re-evaluate this scenario, throwing results away won't cut.

10.0 REFERENCES

Marin Environmental, Inc., "Chapter 11, Rentschler Field Environmental Conditions Summary", submitted to the Connecticut State Legislature, dated March 3, 2000.

Marin Environmental, Inc., "Rentschler Field, Work Plan, Soil and Ground Water Characterization", dated May 2000.

Loureiro Engineering Associates, Inc., "Draft, Site Investigation and Remedial Report for the North Parcel Area of the Airport/Klondike Area at Pratt & Whitney East Hartford Connecticut, EPA ID No. CTD990672081", dated May 4, 2000.

TABLES

TABLE 1

Soil Sample Identifications and Analyses
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Sample ID	Map ID	8270C (Modified BNA)	8081A (Pest. Only)	8082 (PCB Only)	8260B Scan	CT ETPH	SPLP Arsenic	PP-13 Metals (total)	8150 (Herbicides)
FORMER SILVER LANE PICKLE COMPANY ENVIRONMENTAL UNIT									
581-SSWB1 (0-2)	MW-WB-1		X						X
581-SSWB1 (10-12)	MW-WB-1	X		X	X	X		X	
581-SSWB2 (0-2)	MW-WB-2	X	X	X	X	X		X	X
581-SSWB3 (0-2)	MW-WB-2		X						X
581-SSWB3 (8-10)	MW-WB-3			X	X	X		X	
581-SSWB3 (12-14)	MW-WB-3			X					
ANALYSES SUBTOTAL:		2	3	4	3	3	0	3	3
ENVIRONMENTAL UNIT TOTAL:		21							
OFF-SITE SUPPLEMENTAL GRASS PARKING AREA									
581-SSGP1 (2-6)	SB-GP-01	X	X	X	X	X		X	X
581-SSGP2 (0-2)	SB-GP-02		X	X	X	X		X	X
581-SSGP3 (0-2)	SB-GP-03		X	X	X	X		X	X
581-SSGP4 (2-6)	SB-GP-04		X	X	X	X		X	X
581-SSGP5 (0-2)	SB-GP-05		X	X	X	X		X	X
581-SSGP6 (0-2)	SB-GP-06		X						X
581-SSGP6 (4-8)	SB-GP-06			X	X	X		X	
581-RSGP7 (0-2)	SB-GP-07		X	X	X	X		X	X
581-SSGP7 (0-2)	SB-GP-07		X						X
581-SSGP7 (2-6)	SB-GP-07			X	X	X		X	
581-SSGP8 (0-2)	SB-GP-08		X						X
581-SSGP8 (2-6)	SB-GP-08			X	X	X		X	
581-SSGP9 (0-2)	SB-GP-09		X						X
581-SSGP9 (2-6)	SB-GP-09			X	X	X		X	
581-SSGP10 (0-2)	SB-GP-10		X						X
581-SSGP11 (0-2)	SB-GP-11		X						X
581-SSGP12 (0-2)	SB-GP-12		X						X
581-RSSGP12 (0-2)	SB-GP-12		X						X
581-SSGP13 (0-2)	SB-GP-13		X	X	X	X		X	X
581-SSGP14 (0-2)	SB-GP-14		X	X	X	X		X	X

TABLE 1 cont.

Soil Sample Identifications and Analyses
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Sample ID	Map ID	8270C (Modified BNA)	8081A (Pest. Only)	8082 (PCB Only)	8260B Scan	CT ETPH	SPLP Arsenic	PP-13 Metals (total)	8150 (Herbicides)
581-SSGP15 (0-2)	SB-GP-15		X						X
581-SSGP16 (0-2)	SB-GP-16		X	X	X	X		X	X
581-SSGP17 (0-2)	SB-GP-17		X						X
581-SSGP17 (2-6)	SB-GP-17			X	X	X		X	
581-SSGP18 (0-2)	SB-GP-18		X	X	X	X		X	X
581-SSGP19 (0-2)	SB-GP-19		X	X	X	X		X	X
581-SSGP20 (0-2)	SB-GP-20		X	X	X	X		X	X
ANALYSES SUBTOTAL:		1	22	17	17	17	0	17	22
ENVIRONMENTAL UNIT TOTAL:		113							
NORTHERN KLONDIKE EVNIRONMENTAL UNIT									
581-SSCT7 (0-2)	SB-CT-7		X						X
581-SSCT7 (6-10)	SB-CT-7			X					
ANALYSES SUBTOTAL:		0	1	1	0	0	0	0	1
ENVIRONMENTAL UNIT TOTAL:		3							
NORTHERN AIRPORT RUNWAY AREA ENVIRONMENTAL UNIT									
581-SSSP3 (0-2)	SB-SFP-3		X	X					X
581-SSSP3 (4-6)	SB-SFP-3			X	X				
581-SSSP3 (8-10)	SB-SFP-3			X	X	X		X	
581-SSSP3 (16-18)	SB-SFP-3			X	X	X		X	
581-SSSP3 (22-24)	SB-SFP-3			X	X	X		X	
581-SSSF1 (0-2)	SB-SFP-1		X						X
581-SSSF1 (6-8)	SB-SFP-1			X	X	X		X	
581-SSSF1(10-12)	SB-SFP-1			X	X	X		X	
581-SSSF1 (20-22)	SB-SFP-1			X	X	X	X	X	
581-SSDS1 (0-2)	SB-DS-01								
581-SSDS2 (0-2)	SB-DS-02	X	X	X					X
581-SSDS5 (0-2)	SB-DS-05	X	X	X					X
581-SSDS6 (0-2)	SB-DS-06	X	X	X					X

TABLE 1 cont.

Soil Sample Identifications and Analyses
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Sample ID	Map ID	8270C (Modified BNA)	8081A (Pest. Only)	8082 (PCB Only)	8260B Scan	CT ETPH	SPLP Arsenic	PP-13 Metals (total)	8150 (Herbicides)
581-SSDS6 (0-2)	SB-DS-06	X	X	X					X
581-SSNS1 (0-2)	SB-NS-01		X						X
581-SSNS2 (0-2)	SB-NS-02		X						X
581-SSNS3 (0-2)	SB-NS-03		X	X	X	X		X	X
581-SSNS4 (0-2)	SB-NS-04		X						X
581-SSNS5 (0-2)	SB-NS-05		X	X	X	X		X	X
581-SSNS6 (0-2)	SB-NS-06		X	X	X	X		X	X
581-SSNS7 (0-2)	SB-NS-07		X	X	X	X		X	X
581-SSNS8 (0-2)	SB-NS-08		X						X
581-SSAR1 (0-2)	ARC-1		X	X		X		X	X
581-SSAR2 (0-2)	ARC-2		X	X					X
581-SSAR3 (0-2)	ARC-3		X	X	X	X		X	X
581-SSAR5 (0-2)	ARC-5		X	X	X	X		X	X
581-SS-AR6-0-2	ARC-6		X	X	X	X		X	X
581-SS-AR7-0-2	ARC-7		X	X	X	X		X	X
581-SSWL-1 (0-2)	MW-WL-1		X						X
581-SSWL-1 (8-10)	MW-WL-1			X	X	X		X	
581-RSSWL-1 (8-10)	MW-WL-1			X	X	X		X	
581-SSWL-3 (0-2)	MW-WL-3		X						X
581-SSWL-3 (2-4)	MW-WL-3			X	X	X		X	
581-RSSWL-3 (2-4)	MW-WL-3			X	X	X		X	
581-SS-SF1D-0-2	MW-SFP-1D		X	X					X
581-SSF1D 8-10'	MW-SFP-1D			X	X	X		X	
581-SS-SF1D-18-20	MW-SFP-1D			X		X	X	X	
581-SS-SF1D-22-24	MW-SFP-1D			X		X	X	X	
581-SS-SF2D-0-2	SB-SFP-2		X	X					X
581-SSF2 8-10'	SB-SFP-2			X	X	X		X	
581-SS-SF2D-14-16	SB-SFP-2			X		X	X	X	
581-SS-SF2D-24-26	SB-SFP-2			X		X	X	X	
581-SS-SF2D-0-2	MW-SFP-2D		X	X					X
581-SSF2D 8-10'	MW-SFP-2D			X	X	X		X	

TABLE 1 cont.

Soil Sample Identifications and Analyses
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Sample ID	Map ID	8270C (Modified BNA)	8081A (Pest. Only)	8082 (PCB Only)	8260B Scan	CT ETPH	SPLP Arsenic	PP-13 Metals (total)	8150 (Herbicides)
581-SS-SF2D-14-16	MW-SFP-2D			X	X	X	X	X	
581-SS-SF2D-22-24	MW-SFP-2D			X	X	X	X	X	
581-SS-SF3D-0-2	MW-SFP-3D		X	X					X
581-SS-SF3D-8-10	MW-SFP-3D			X	X	X		X	
581-SSF3D 10-12'	MW-SFP-3D			X	X	X		X	
581-SS-SF3D-22-24	MW-SFP-3D			X		X	X	X	
581-SSSFP4 (0-2)	SB-SFP-4		X	X	X	X		X	X
581-SSSFP4 (8-10)	SB-SFP-4			X					
581-SSSFP4 (12-14)	SB-SFP-4				X	X	X	X	
581-SSSFP4 (20-22)	SB-SFP-4				X	X	X	X	
581-SSCT1 (0-2)	SB-CT-1		X						X
581-SSCT1 (6-10)	SB-CT-1			X					
581-SSCT2 (0-2)	SB-CT-2		X						X
581-SSCT2 (2-6)	SB-CT-2			X					
581-SSCT3 (0-2)	SB-CT-3		X						X
581-SSCT3 (6-10)	SB-CT-3			X					
581-SSCT4 (0-2)	SB-CT-4		X						X
581-SSCT4 (2-6)	SB-CT-4			X					
581-SSCT5 (0-2)	SB-CT-5		X						X
581-SSCT5 (2-6)	SB-CT-5			X					
581-SSCT6 (0-2)	SB-CT-6		X						X
581-SSCT6 (2-6)	SB-CT-6			X					
581-SSCT8 (0-2)	SB-CT-8		X						X
581-SSCT8 (2-6)	SB-CT-8			X					
581-SSCT9 (0-2)	SB-CT-9		X	X	X	X		X	X
581-SSCT9 (2-6)	SB-CT-9			X					
ANALYSES SUBTOTAL:		4	35	53	30	35	10	35	35
ENVIRONMENTAL UNIT TOTAL:		237							

TABLE 1 cont.

Soil Sample Identifications and Analyses
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Sample ID	Map ID	8270C (Modified BNA)	8081A (Pest. Only)	8082 (PCB Only)	8260B Scan	CT ETPH	SPLP Arsenic	PP-13 Metals (total)	8150 (Herbicides)
FORMER ARMY BARRACKS ENVIRONMENTAL UNIT									
581-SSLF1 (0-2)	MW-LF-1	X	X	X	X	X		X	X
581-SSLF1 (10-12)	MW-LF-1			X					
581-SSTP01 (2-3)	TP-1		X	X	X	X		X	X
581-SSTP02 (2-3)	TP-2		X	X	X	X		X	X
581-SSTP05 (2.5-3)	TP-5		X	X	X	X		X	X
581-SSTP06 (2.5-3)	TP-6		X	X	X	X		X	X
581-SSTP07 (2.5-3.5)	TP-7		X	X	X	X		X	X
581-SSTP08 (2.5-3.5)	TP-8		X	X	X	X		X	X
581-SSTP09 (1.5-2.5)	TP-9		X	X	X	X		X	X
ANALYSES SUBTOTAL:		1	8	9	8	8	0	8	8
ENVIRONMENTAL UNIT TOTAL:		45							
FIELD QA/QC SAMPLES									
581-EB001		X	X	X	X	X		X	X
581-EB002			X	X	X	X		X	X
581-EB003			X	X	X	X		X	X
581-EB004			X	X	X	X		X	X
ANALYSES SUBTOTAL:		1	4	4	4	4	0	4	4
ENVIRONMENTAL UNIT TOTAL:		25							
NUMBER OF SAMPLES PER PARAMETER:		9	73	88	62	67	10	67	73

TOTAL NUMBER OF SOIL ANALYSES: 459

TOTAL NUMBER OF SOIL SAMPLES COLLECTED: 114

TABLE 1 cont.

Ground Water Sample Identifications and Analyses
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Sample ID	Map ID	8270C (Modified BNA)	8081A (Pest. Only)	8082 (PCB Only)	8260B Scan	CT ETPH	PP-13 Metals (total)	8150 (Herbicides)
FORMER SILVER LANE PICKLE COMPANY ENVIRONMENTAL UNIT								
581-GWWB-1	MW-WB-1	X	X	X	X	X	X	X
581-GWWB-2	MW-WB-2	X	X	X	X	X	X	X
581-GWWB-3	MW-WB-3	X	X	X	X	X	X	X
ANALYSES SUBTOTAL:		3	3	3	3	3	3	3
ENVIRONMENTAL UNIT TOTAL:		21						
NORTHERN AIRPORT RUNWAY AREA ENVIRONMENTAL UNIT								
581GWMWSFP-1D	MW-SFP-1D	X	X	X	X	X	X	X
581GWMWSFP-1S	MW-SFP-1	X	X	X	X	X	X	X
581-GWSFP2D	MW-SFP-2D	X	X	X	X	X	X	X
581-GWSFP2	MW-SFP-2	X	X	X	X	X	X	X
581-GWSFP3D	MW-SFP-3D	X	X	X	X	X	X	X
581-GWMWSFP-3S	MW-SFP-3	X	X	X	X	X	X	X
581-GWWL-1	MW-WL-1	X	X	X	X	X	X	X
581-GWWL-3	MW-WL-3	X	X	X	X	X	X	X
581-GWNAMW-01	NA-MW-01	X	X	X	X	X	X	X
ANALYSES SUBTOTAL:		9	9	9	9	9	9	9
ENVIRONMENTAL UNIT TOTAL:		63						
FORMER ARMY BARRACKS ENVIRONMENTAL UNIT								
581-GWMWLF-1	MW-LF-1	X	X	X	X	X	X	X
ANALYSES SUBTOTAL:		1	1	1	1	1	1	1
ENVIRONMENTAL UNIT TOTAL:		7						
NORTHERN KLONDIKE EVNIRONMENTAL UNIT								
581-GWNKMW-17S	NK-MW-17S	X	X	X	X	X	X	X
581-GWNKMW-06S	NK-MW-06S	X	X	X	X	X	X	X
ANALYSES SUBTOTAL:		2	2	2	2	2	2	2
ENVIRONMENTAL UNIT TOTAL:		14						

TABLE 1 cont.
Ground Water Sample Identifications and Analyses
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Sample ID	Map ID	8270C (Modified BNA)	8081A (Pest. Only)	8082 (PCB Only)	8260B Scan	CT ETPH	PP-13 Metals (total)	8150 (Herbicides)
FIELD QA/QC SAMPLES								
581-TB001-6/5/00					X			
581-TB002-6/7/00					X			
581-GWRS001		X	X	X	X	X	X	X
581-EB001		X	X	X	X	X	X	X
ANALYSES SUBTOTAL:		2	2	2	4	2	2	2
ENVIRONMENTAL UNIT TOTAL:		16						
NUMBER OF SAMPLES PER PARAMETER:		17	17	17	19	17	17	17

TOTAL NUMBER OF GROUND WATER ANALYSES: 121

TOTAL NUMBER OF ALL ANALYSES: 580

TABLE 2

Water Level Elevations
UCONN Football Stadium
Rentschler Field
East Hartford, CT

WELL NUMBER	SCREENED UNIT	SCREENED INTERVAL (FT BELOW GRADE)	TOP OF PVC ELEVATION (FT-NGVD)	DEPTH TO WATER 5/25/00	ELEVATION (FT-NVGD) 5/25/00	DEPTH TO WATER 6/5/00	ELEVATION (FT-NVGD) 6/5/00
MW-WB-1	SHALLOW	4-13	48.16	7.05	41.11	6.93	41.23
MW-WB-2	SHALLOW	4-13.5	46.37	5.27	41.1	5.13	41.24
MW-WB-3	SHALLOW	4-13	47.65	6.60	41.05	6.43	41.22
MW-LF-1	SHALLOW	2.3-12.3	47.95	4.23	43.72	3.71	44.24
MW-SFP-1	SHALLOW	4-12	48.77	6.36	42.41	5.79	42.98
MW-SFP-1D	DEEP	15-30	48.74	6.40	42.34	5.79	42.95
MW-SFP-2	SHALLOW	3.5-11	47.91	5.24	42.67	5.6	42.31
MW-SFP-2D	DEEP	15-30	47.85	11.16	36.69	6.80	41.05
MW-SFP-3	SHALLOW	4-11	47.68	4.75	42.93	4.25	43.43
MW-SFP-3D	DEEP	3-30	47.77	8.45	39.32	6.10	41.67
MW-WL-1	SHALLOW	4-10	51.27	4.04	47.23	3.72	47.55
MW-WL-3	SHALLOW	4-10	48.04	3.00	45.04	2.75	45.29
NA-MW-01	SHALLOW	NA	46.25	NA	NA	2.93	43.32
NK-MW-06S	SHALLOW	NA	50.57	NA	NA	5.45	45.12
NK-MW-17S	SHALLOW	NA	53.28	NA	NA	5.00	48.28
SG-1	SHALLOW	0-2.11	42.89	2.20	40.69	NA	NA
SG-2	SHALLOW	0-2.15	42.79	2.60	40.19	NA	NA
SG-3	SHALLOW	0-2.53	46.41	1.30	45.11	NA	NA

Notes:
(1) FT-NVGD = Feet above/below National Vertical Geodetic Datum
NA - Not Available

H:Projects\99-0581\Soil&GWReport\GWElevations.xls

TABLE 3

Summary of Soil Analytical Results
Volatile Organic Compounds
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SSWL1, 8-10'	581-SSWL3, 2-4'	581-SSWB1, 10-12'	581-SSWB2, 0-2'	581-SSWB3, 8-10'	581-SSLF1, 0-2'	581-SSSF1, 6-8'	581-SSSF1, 10-12'	581-SSSF1, 22-24'	581-SSF2 8-10' (SB)	581-SSSP3, 4-6'
Dichlorodifluoromethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	0.01	47	440	0.54	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl chloride	0.01	0.32	3	0.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	0.01	78	720	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroflouromethane	0.01	500	1000	260	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	0.01	1	95	1.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene chloride	0.01	82	760	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	0.01	500	1000	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	0.01	100	940	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromochloromethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.01	500	1000	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloropropylene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon tetrachloride	0.01	4.7	44	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	0.01	21	200	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	0.01	500	1000	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethylene	0.01	56	520	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	0.01	9	84	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.01	9.9	92	0.11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibromomethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	0.01	500	1000	67	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropylene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.01	11	100	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	0.01	12	110	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichloropropane	0.01	3.4	32	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	0.01	7.3	68	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromoethane (EDB)	0.01	0.007	0.067	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	0.01	500	1000	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	0.01	500	1000	10.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	0.01	24	220	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p/m-Xylene (total Xylenes)	0.01	500	1000	19.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene (total Xylenes)	0.01	500	1000	19.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	0.01	500	1000	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	0.01	78	720	0.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	0.01	500	1000	132	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2,2-tetrachloroethane	0.01	3.1	29	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromobenzene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenze	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-trimethylbenzene	0.01	500	1000	70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Chlorotoluene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-trimethylbenzene	0.01	500	1000	70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butyulbenzene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	0.01	NE	NE	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-dichlorobenzene	0.01	500	1000	120	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.01	26	240	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.01	500	1000	3.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromo-3-chloropropane	0.01	0.44	4.1	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-trichlorobenzene	0.01	680	2500	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.05	7.9	73	1*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	0.05	1000	2500	56	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl ethyl ketone	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl butyl ketone	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl isobutyl ketone	0.05	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) *All results measured in milligrams per kilogram*
(2) BDL - Below Detection Limits
(3) MDL - Minimum Detection Limits
(4) RES DEC - Residential Direct Exposure Criteria
(5) I/C DEC - Industrial/Commercial Direct Exposure Criteria
(6) GB PMC - GB Pollutant Mobility Criteria
(7) NE - Not Established by CTDEP RSRs
(8) IR - *In Review*
* - Criteria based on detection limits of the Certified Laboratory that performed analysis.

TABLE 3 cont.

Summary of Soil Analytical Results
Volatile Organic Compounds
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SSSP3, 8-10'	581-SSSP3, 16-18'	581-SSSP3, 22-24'	581-SSSFP4, 0-2'	581-SSSFP4, 12-14'	581-SSFP4, 20-22'	581-SSF1D 8-10'	581-SSF2D 8-10' (MW)	581-SS-SF2D,14-16' (MW)
Dichlorodifluoromethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	0.01	47	440	0.54	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl chloride	0.01	0.32	3	0.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	0.01	78	720	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroflouromethane	0.01	500	1000	260	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	0.01	1	95	1.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene chloride	0.01	82	760	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	0.01	500	1000	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	0.01	100	940	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromochloromethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.01	500	1000	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloropropylene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon tetrachloride	0.01	4.7	44	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	0.01	21	200	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	0.01	500	1000	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethylene	0.01	56	520	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	0.01	9	84	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.01	9.9	92	0.11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibromomethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	0.01	500	1000	67	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropylene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.01	11	100	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	0.01	12	110	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichloropropane	0.01	3.4	32	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	0.01	7.3	68	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromoethane (EDB)	0.01	0.007	0.067	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	0.01	500	1000	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	0.01	500	1000	10.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	0.01	24	220	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p/m-Xylene (total Xylenes)	0.01	500	1000	19.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene (total Xylenes)	0.01	500	1000	19.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	0.01	500	1000	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	0.01	78	720	0.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	0.01	500	1000	132	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2,2-tetrachloroethane	0.01	3.1	29	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromobenzene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenze	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-trimethylbenzene	0.01	500	1000	70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Chlorotoluene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-trimethylbenzene	0.01	500	1000	70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	0.01	NE	NE	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-dichlorobenzene	0.01	500	1000	120	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.01	26	240	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.01	500	1000	3.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromo-3-chloropropane	0.01	0.44	4.1	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-trichlorobenzene	0.01	680	2500	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.05	7.9	73	1*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	0.05	1000	2500	56	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl ethyl ketone	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl butyl ketone	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl isobutyl ketone	0.05	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) All results measured in milligrams per kilogram
(2) BDL - Below Detection Limits
(3) MDL - Minimum Detection Limits
(4) RES DEC - Residential Direct Exposure Criteria
(5) I/C DEC - Industrial/Commercial Direct Exposure Criteria
(6) GB PMC - GB Pollutant Mobility Criteria
(7) NE - Not Established by CTDEP RSRs
(8) IR - In Review
* - Criteria based on detection limits of the Certified Laboratory that performed analysis.

TABLE 3 cont.

Summary of Soil Analytical Results
Volatile Organic Compounds
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SS-SF2D, 22-24' (MW)	581-SSF3D 10-12'	581-SSAR3, 0-2'	581-SSAR5, 0-2'	581-SS-AR6, 0-2	581-SS-AR7, 0-2'	581-SSCT9, 0-2'	581-SSNS3, 0-2'	581-SSNS5, 0-2'	581-SSNS6, 0-2'
Dichlorodifluoromethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	0.01	47	440	0.54	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl chloride	0.01	0.32	3	0.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	0.01	78	720	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroflouromethane	0.01	500	1000	260	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	0.01	1	95	1.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene chloride	0.01	82	760	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	0.01	500	1000	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	0.01	100	940	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromochloromethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.01	500	1000	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloropropylene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon tetrachloride	0.01	4.7	44	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	0.01	21	200	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	0.01	500	1000	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethylene	0.01	56	520	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	0.01	9	84	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.01	9.9	92	0.11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibromomethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	0.01	500	1000	67	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropylene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.01	11	100	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	0.01	12	110	1	BDL	BDL	BDL	0.033	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichloropropane	0.01	3.4	32	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	0.01	7.3	68	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromoethane (EDB)	0.01	0.007	0.067	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	0.01	500	1000	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	0.01	500	1000	10.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	0.01	24	220	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p/m-Xylene (total Xylenes)	0.01	500	1000	19.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene (total Xylenes)	0.01	500	1000	19.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	0.01	500	1000	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	0.01	78	720	0.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	0.01	500	1000	132	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2,2-tetrachloroethane	0.01	3.1	29	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromobenzene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenze	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-trimethylbenzene	0.01	500	1000	70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Chlorotoluene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-trimethylbenzene	0.01	500	1000	70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butyulbenzene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	0.01	NE	NE	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-dichlorobenzene	0.01	500	1000	120	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.01	26	240	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.01	500	1000	3.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromo-3-chloropropane	0.01	0.44	4.1	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-trichlorobenzene	0.01	680	2500	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.05	7.9	73	1*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	0.05	1000	2500	56	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl ethyl ketone	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl butyl ketone	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl isobutyl ketone	0.05	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) All results measured in milligrams per kilogram
(2) BDL - Below Detection Limits
(3) MDL - Minimum Detection Limits
(4) RES DEC - Residential Direct Exposure Criteria
(5) I/C DEC - Industrial/Commercial Direct Exposure Criteria
(6) GB PMC - GB Pollutant Mobility Criteria
(7) NE - Not Established by CTDEP RSRs
(8) IR - In Review
* - Criteria based on detection limits of the Certified Laboratory that performed analysis.

TABLE 3 cont.

Summary of Soil Analytical Results
Volatile Organic Compounds
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SSNS7, 0-2'	581-SSTP02, 2-3'	581-SSTP05, 2.5-3'	581-SSTP06, 2.5-3'	581-SSTP07, 2.5-3.5'	581-SSTP08, 2.5-3.5'	581-SSTP09, 1.5-2.5'	581-SSGP1, 2-6'	581-SSGP2, 0-2'	581-SSGP3, 0-2'	581-SSGP4, 2-6'
Dichlorodifluoromethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	0.01	47	440	0.54	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl chloride	0.01	0.32	3	0.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	0.01	78	720	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroflouromethane	0.01	500	1000	260	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	0.01	1	95	1.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene chloride	0.01	82	760	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	0.01	500	1000	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	0.01	100	940	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromochloromethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.01	500	1000	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloropropylene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon tetrachloride	0.01	4.7	44	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	0.01	21	200	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	0.01	500	1000	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethylene	0.01	56	520	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	0.01	9	84	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.01	9.9	92	0.11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibromomethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	0.01	500	1000	67	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropylene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.01	11	100	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	0.01	12	110	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichloropropane	0.01	3.4	32	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	0.01	7.3	68	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromoethane (EDB)	0.01	0.007	0.067	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	0.01	500	1000	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	0.01	500	1000	10.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	0.01	24	220	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p/m-Xylene (total Xylenes)	0.01	500	1000	19.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene (total Xylenes)	0.01	500	1000	19.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	0.01	500	1000	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	0.01	78	720	0.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	0.01	500	1000	132	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2,2-tetrachloroethane	0.01	3.1	29	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromobenzene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenze	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-trimethylbenzene	0.01	500	1000	70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Chlorotoluene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-trimethylbenzene	0.01	500	1000	70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butyulbenzene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	0.01	NE	NE	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-dichlorobenzene	0.01	500	1000	120	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.01	26	240	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.01	500	1000	3.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromo-3-chloropropane	0.01	0.44	4.1	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-trichlorobenzene	0.01	680	2500	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.05	7.9	73	1*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	0.05	1000	2500	56	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl ethyl ketone	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl butyl ketone	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl isobutyl ketone	0.05	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) All results measured in milligrams per kilogram
(2) BDL - Below Detection Limits
(3) MDL - Minimum Detection Limits
(4) RES DEC - Residential Direct Exposure Criteria
(5) I/C DEC - Industrial/Commercial Direct Exposure Criteria
(6) GB PMC - GB Pollutant Mobility Criteria
(7) NE - Not Established by CTDEP RSRs
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* - Criteria based on detection limits of the Certified Laboratory that performed analysis.

TABLE 3 cont.

Summary of Soil Analytical Results
Volatile Organic Compounds
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SSGP5, 0-2'	581-SSGP6, 4-8'	581-SSGP7, 2-6'	581-SSGP8, 2-6'	581-SSGP9, 2-6'	581-SSGP13, 0-2'	581-SSGP14, 0-2'	581-SSGP16, 0-2'	581-SSGP17, 2-6'	581-SSGP18, 0-2'	581-SSGP19, 0-2'	581-SSGP20, 0-2'
Dichlorodifluoromethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0	BDL	BDL
Chloromethane	0.01	47	440	0.54	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl chloride	0.01	0.32	3	0.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	0.01	78	720	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroflouromethane	0.01	500	1000	260	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	0.01	1	95	1.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene chloride	0.01	82	760	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	0.01	500	1000	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	0.01	100	940	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromochloromethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.01	500	1000	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloropropylene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon tetrachloride	0.01	4.7	44	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	0.01	21	200	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	0.01	500	1000	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethylene	0.01	56	520	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	0.01	9	84	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.01	9.9	92	0.11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibromomethane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	0.01	500	1000	67	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropylene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.01	11	100	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	0.01	12	110	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichloropropane	0.01	3.4	32	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	0.01	7.3	68	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromoethane (EDB)	0.01	0.007	0.067	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	0.01	500	1000	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	0.01	500	1000	10.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	0.01	24	220	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p/m-Xylene (total Xylenes)	0.01	500	1000	19.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene (total Xylenes)	0.01	500	1000	19.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	0.01	500	1000	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	0.01	78	720	0.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	0.01	500	1000	132	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2,2-tetrachloroethane	0.01	3.1	29	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromobenzene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenze	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-trimethylbenzene	0.01	500	1000	70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Chlorotoluene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-trimethylbenzene	0.01	500	1000	70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	0.01	NE	NE	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-dichlorobenzene	0.01	500	1000	120	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.01	26	240	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	0.01	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.01	500	1000	3.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromo-3-chloropropane	0.01	0.44	4.1	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-trichlorobenzene	0.01	680	2500	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.05	7.9	73	1*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	0.05	1000	2500	56	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	0.01	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl ethyl ketone	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl butyl ketone	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl isobutyl ketone	0.05	500	1000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) *All results measured in milligrams per kilogram*
(2) BDL - Below Detection Limits
(3) MDL - Minimum Detection Limits
(4) RES DEC - Residential Direct Exposure Criteria
(5) I/C DEC - Industrial/Commercial Direct Exposure Criteria
(6) GB PMC - GB Pollutant Mobility Criteria
(7) NE - Not Established by CTDEP RSRs
(8) IR - *In Review*
* - Criteria based on detection limits of the Certified Laboratory that performed analysis.

TABLE 4

Summary of Soil Analytical Results
Semi-Volatile Organic Compounds
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SSDS2, 0-2'	581-SSDS5, 0-2'	581-SSDS6, 0-2'	581-SSDS6, 0-2' (re-analyzed)	581-SSWB1, 10-12'	581-SSWB2, 0-2'	581-SSLF1, 0-2'	581-SSGP1, 2-6'
Acenaphthene	0.1	1000	2500	84	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Acenaphthylene	0.1	1000	2500	84	BDL	BDL	2.87	BDL	BDL	BDL	BDL	BDL
Anthracene	0.1	1000	2500	400	BDL	BDL	4.56	BDL	BDL	BDL	BDL	BDL
Benzidine	0.1	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(a)anthracene	0.1	1	7.8	1	BDL	BDL	21.78	BDL	BDL	BDL	BDL	BDL
Benzo(a)pyrene	0.1	1	1	1	BDL	BDL	120.91	BDL	BDL	BDL	BDL	BDL
Benzo(b)fluoranthene	0.1	1	7.8	1	BDL	BDL	67.13	BDL	BDL	BDL	BDL	BDL
Benzo(g,h,i)perylene	0.5	1000	2500	42	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(k)fluoranthene	0.1	8.4	78	1	BDL	BDL	108.60	BDL	BDL	BDL	BDL	BDL
bis(2-Chloroethoxy)methane	0.1	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
bis(2-Chloroethyl)ether	0.1	1	5.2	2.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bis(2-chloroisopropyl)ether	0.1	8.8	82	2.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
bis(2-Ethylhexyl)phthalate	0.1	44	410	11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Bromophenyl phenyl ether	0.1	500	1000	82	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Butyl benzyl phthalate	0.1	1000	2500	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chloronaphthalene	0.1	1000	2500	110	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Chlorophenyl phenylether	0.1	500	1000	82	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chrysene	0.1	84	780	1*	BDL	BDL	26.76	BDL	BDL	BDL	BDL	BDL
Dibenzo(a,h)anthracene	0.5	1*	1*	1*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.1	500	1000	3.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.1	500	1000	120	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.1	26	240	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	0.1	NE	NE	0.33*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl phthalate	0.1	1000	2500	1100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dimethyl phthalate	0.1	1000	2500	1100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Di-n-butyl phthalate	0.1	1000	2500	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	0.1	140	2500	2.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	0.1	68	2000	1.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Di-n-octyl phthalate	0.1	1000	2500	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Diphenylhydrazine	0.1	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Fluoranthene	0.1	1000	2500	56	BDL	BDL	65.14	BDL	BDL	BDL	BDL	BDL
Fluorene	0.1	1000	2500	56	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobenzene	0.1	1	3.6	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.1	7.9	73	1*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	0.1	470	2500	9.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hexachloroethane	0.1	44	410	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Indeno(1,2,3-cd)pyrene	0.5	1*	7.8	1*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isophorone	0.1	640	2500	7.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	0.1	1000	2500	56	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nitrobenzene	0.1	34	1000	1*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	0.1	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitrosodi-n-propylamine	0.1	1*	1*	1*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	0.1	130	1200	1.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Phenanthrene	0.1	1000	2500	40	BDL	BDL	13.35	BDL	BDL	BDL	BDL	BDL
Pyrene	0.1	1000	2500	40	BDL	BDL	59.44	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	0.1	680	2500	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	0.5	340	2500	7.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	0.5	200	2500	4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	0.5	1000	2500	28	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	0.5	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	0.5	140	2500	2.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	0.5	540	2500	11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	0.5	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Chloro-3-methylphenol	0.5	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	0.5	5.1	48	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	0.5	1000	2500	800	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	0.5	56	520	1*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) All results reported in milligrams per kilogram
(2) BDL - Below Detection Limit
(3) MDL - Minimum Detection Limit
(4) RES DEC - Residential Direct Exposure Criteria
(5) I/C DEC - Industrial/Commercial Direct Exposure Criteria
(6) GB PMC - GB Pollutant Mobility Criteria
(7) NE - Not Established
* - Criteria based on detection limits of the Certified Laboratory that performed analysis.

TABLE 5

Summary of Soil Analytical Results
Polychlorinated Biphenyls
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SS-SF1D, 0-2'	581-SSF1D, 8-10'	581-SS-SF1D, 18-20	581-SS-SF1D, 22-24	581-SS-SF2D, 0-2' (MW)	581-SSF2D, 8-10' (MW)	581-SS-SF2D, 14-16 (MW)	581-SS-SF2D, 22-24 (MW)	581-SS-SF3D, 0-2'	581-SS-SF3D, 8-10'	581-SSF3D, 10-12'	581-SS-SF3D, 22-24	581-SSSF1, 6-8'
PCBs	1	1	10	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SSSF1, 10-12'	581-SSSF1, 20-22'	581-SS-SF2D, 0-2' (SB)	581-SSF2 8-10' (SB)	581-SS-SF2D, 14-16 (SB)	581-SS-SF2D, 24-26 (SB)	581-SSSP3, 0-2'	581-SSSP3, 4-6	581-SSP3, 8-10'	581-SSSP3, 16-18'	581-SSSP3, 22-24	581-SSSFP4, 0-2	581-SSSFP4, 8-10'	581-SSCT1, 6-10'
PCBs	1	1	10	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Parameter	MD. (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SSCT2, 2-6'	581-SSCT3, 6-10'	581-SSCT4, 2-6'	581-SSCT5, 2-6'	581-SSCT6, 2-6'	581-SSCT7, 6-10'	581-SSCT8, 2-6'	581-SSCT9, 0-2	581-SSCT9, 2-6'	581-SSAR1, 0-2'	581-SSAR2, 0-2'	581-SSAR3, 0-2'	581-SSAR5, 0-2'	581-SS-AR6, 0-2'
PCBs	1	1	10	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SS-AR7, 0-2'	581-SSWL-1, 8-10'	581-SSWL3, 2-4	581-RSSWL3, 2-4'	581-SSNS3, 0-2'	581-SSNS5, 0-2'	581-SSNS6, 0-2'	581-SSNS7, 0-2'	581-SSDS2, 0-2	581-SSDS5, 0-2'	581-SSDS6, 0-2'	581-SSDS6, 0-2'	581-SSWB1, 10-12'	581-SSWB2, 0-2'
PCBs	1	1	10	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SSWB3, 8-10'	581-SSWB3, 12-14	581-SSLF1, 0-2'	581-SSLF1, 10-12'	581-SSTP01 2-3'	581-SSTP02 2-3'	581-SSTP05 2.5-3'	581-SSTP06 2.5-3'	581-SSTP07 2.5-3.5'	581-SSTP08 2.5-3.5'	581-SSTP09 1.5-2.5'	581-SSGP1, 2-6'	581-SSGP2, 0-2'	581-SSGP3, 0-2'
PCBs	1	1	10	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SSGP4, 2-6'	581-SSGP5, 0-2'	581-RSGP7, 0-2'	581-SSGP6, 4-8'	581-SSGP7, 2-6'	581-SSGP8, 2-6'	581-SSGP9, 2-6'	581-SSGP13, 0-2'	581-SSGP14, 0-2'	581-SSGP16, 0-2'	581-SSGP17, 2-6'	581-SSGP18, 0-2'	581-SSGP19, 0-2'	581-SSGP20, 0-2'
PCBs	1	1	10	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) PCB - Polychlorinated Biphenyl
(2) BDL - Below Detection Limits
(3) MDL - Minimum Detection Limits
(4) RES DEC - Residential Direct Exposure Criteria
(5) I/C DEC - Industrial/Commercial Direct Exposure Criteria
(6) GB PMC - GB Pollutant Mobility Criteria
(7) All results reported in milligrams per kilogram

TABLE 6

Summary of Soil Analytical Results
Pesticides and Herbicides
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SS-SF1D, 0-2'	581-SS-SF2D, 0-2' (MW)	581-SS-SF3D, 0-2'	581-SSSF1, 0-2'	581-SS-SF2D, 0-2' (SB)	581-SSSP3, 0-2'	581-SSSFP4, 0-2'	581-SSAR1, 0-2'	581-SSAR2, 0-2'	581-SSAR3, 0-2'	581-SSAR5, 0-2'	581-SS-AR6, 0-2'	581-SS-AR7, 0-2'	581-SSCT1, 0-2'	581-SSCT2, 0-2'	581-SSCT3, 0-2'
MCPP	2	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MCPA	2	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dinoseb	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dicamba	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dalapon	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichloroprop	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-D	0.05	680	20000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-DB	0.05	270	2500	5.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4,5-T	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4,5-TP	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Aldrin	0.05	0.036	0.34	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
a-BHC	0.05	0.097	0.91	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
b-BHC	0.05	0.34	3.2	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
d-BHC	0.05	0.097	0.91	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lindane	0.05	20	610	0.04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	0.05	0.49	2.2	0.066	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	0.05	2.6	24	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	0.05	1.8	17	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	0.05	1.8	17	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	0.05	0.038	0.36	0.007	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	0.1	410	1200	8.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	0.1	410	1200	8.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	0.05	410	1200	8.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	0.05	20	610	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	0.05	20	610	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	0.05	0.14	1.3	0.013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	0.05	0.067	0.63	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methoxychlor	0.05	340	10000	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	0.05	0.56	5.2	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) RES DEC - Residential Direct Exposure Criteria
(4) I/C DEC - Industrial/Commercial Direct Exposure Criteria
(5) GB PMC - GB Pollutant Mobility Criteria
(6) All results reported in milligrams per kilogram
(7) NE - Not Established by CTDEP RSRs
(8) IR - In Review

TABLE 6 cont.

Summary of Soil Analytical Results
Pesticides and Herbicides
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (ppm)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SSCT4, 0-2'	581-SSCT5, 0-2'	581-SSCT6, 0-2'	581-SSCT7, 0-2'	581-SSCT8, 0-2'	581-SSCT9, 0-2	581-SSNS1, 0-2'	581-SSNS2, 0-2'	581-SSNS3, 0-2'	581-SSNS4, 0-2'	581-SSNS5, 0-2'	581-SSNS6, 0-2'	581-SSNS7, 0-2'	581-SSNS8, 0-2'	581-SSWL-1, 0-2'	581-SSWL-3, 0-2'	581-SSDS2, 0-2
MCPP	2	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MCPA	2	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dinoseb	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dicamba	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dalapon	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichloroprop	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-D	0.05	680	20000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-DB	0.05	270	2500	5.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4,5-T	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4,5-TP	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Aldrin	0.05	0.036	0.34	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
a-BHC	0.05	0.097	0.91	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
b-BHC	0.05	0.34	3.2	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
d-BHC	0.05	0.097	0.91	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lindane	0.05	20	610	0.04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	0.05	0.49	2.2	0.066	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	0.05	2.6	24	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	0.05	1.8	17	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	0.05	1.8	17	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.127	BDL	BDL
Dieldrin	0.05	0.038	0.36	0.007	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	0.1	410	1200	8.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	0.1	410	1200	8.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	0.05	410	1200	8.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	0.05	20	610	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	0.05	20	610	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	0.05	0.14	1.3	0.013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	0.05	0.067	0.63	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methoxychlor	0.05	340	10000	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	0.05	0.56	5.2	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) RES DEC - Residential Direct Exposure Criteria
(4) I/C DEC - Industrial/Commercial Direct Exposure Criteria
(5) GB PMC - GB Pollutant Mobility Criteria
(6) All results reported in milligrams per kilogram
(7) NE - Not Established by CTDEP RSRs
(8) IR - In Review

TABLE 6 cont.

Summary of Soil Analytical Results
Pesticides and Herbicides
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (ppm)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SSDS5, 0-2'	581-SSDS6, 0-2'	581-SSDS6, 0-2'	581-SSWB1, 0-2'	581-SSWB2, 0-2'	581-SSWB3, 0-2'	581-SSLF1, 0-2'	581-SSTP01 2-3'	581-SSTP02 2-3'	581-SSTP05 2.5-3'	581-SSTP06 2.5-3'	581-SSTP07 2.5-3.5'	581-SSTP08 2.5-3.5'	581-SSTP09 1.5-2.5'	581-SSGP1, 2-6'	581-SSGP2, 0-2'	581-SSGP3, 0-2'
MCPP	2	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MCPA	2	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dinoseb	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dicamba	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dalapon	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichloroprop	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-D	0.05	680	20000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-DB	0.05	270	2500	5.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4,5-T	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4,5-TP	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Aldrin	0.05	0.036	0.34	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
a-BHC	0.05	0.097	0.91	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
b-BHC	0.05	0.34	3.2	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
d-BHC	0.05	0.097	0.91	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lindane	0.05	20	610	0.04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	0.05	0.49	2.2	0.066	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	0.05	2.6	24	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	0.05	1.8	17	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	0.05	1.8	17	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	0.05	0.038	0.36	0.007	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	0.1	410	1200	8.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	0.1	410	1200	8.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	0.05	410	1200	8.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	0.05	20	610	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	0.05	20	610	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	0.05	0.14	1.3	0.013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	0.05	0.067	0.63	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methoxychlor	0.05	340	10000	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	0.05	0.56	5.2	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) RES DEC - Residential Direct Exposure Criteria
(4) I/C DEC - Industrial/Commercial Direct Exposure Criteria
(5) GB PMC - GB Pollutant Mobility Criteria
(6) All results reported in milligrams per kilogram
(7) NE - Not Established by CTDEP RSRs
(8) IR - In Review

TABLE 6 cont.

Summary of Soil Analytical Results
Pesticides and Herbicides
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (ppm)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SSGP4, 2-6'	581-SSGP5, 0-2'	581-SSGP6, 0-2'	581-SSGP7, 0-2'	581-SSGP8, 0-2'	581-SSGP11, 0-2'	581-SSGP12, 0-2'	581-SSGP13, 0-2'	581-SSGP14, 0-2'	581-SSGP15, 0-2'	581-SSGP16, 0-2'	581-SSGP17, 0-2'	581-SSGP18, 0-2'	581-SSGP19, 0-2'	581-SSGP20, 0-2'
MCPP	2	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MCPA	2	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dinoseb	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dicamba	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dalapon	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichloroprop	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-D	0.05	680	20000	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-DB	0.05	270	2500	5.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4,5-T	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4,5-TP	0.05	NE	NE	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Aldrin	0.05	0.036	0.34	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
a-BHC	0.05	0.097	0.91	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
b-BHC	0.05	0.34	3.2	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
d-BHC	0.05	0.097	0.91	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lindane	0.05	20	610	0.04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	0.05	0.49	2.2	0.066	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	0.05	2.6	24	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	0.05	1.8	17	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	0.05	1.8	17	IR	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	0.05	0.038	0.36	0.007	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	0.1	410	1200	8.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	0.1	410	1200	8.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	0.05	410	1200	8.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	0.05	20	610	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	0.05	20	610	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	0.05	0.14	1.3	0.013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	0.05	0.067	0.63	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methoxychlor	0.05	340	10000	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	0.05	0.56	5.2	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) RES DEC - Residential Direct Exposure Criteria
(4) I/C DEC - Industrial/Commercial Direct Exposure Criteria
(5) GB PMC - GB Pollutant Mobility Criteria
(6) All results reported in milligrams per kilogram
(7) NE - Not Established by CTDEP RSRs
(8) IR - In Review

TABLE 7

Summary of Soil Analytical Results
Connecticut Extractable Total Petroleum Hydrocarbons
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SSF1D 8-10'	581-SS-SF1D, 18-20'	581-SS-SF1D, 22-24'	581-SSF2D 8-10' (MW)	581-SS-SF2D, 14-16' (MW)	581-SS-SF2D, 22-24' (MW)	581-SS-SF3D, 8-10'	581-SSF3D 10-12'	581-SS-SF3D, 22-24'	581-SSSF1, 6-8'	581-SSSF1, 10-12	581-SSSF1, 22-20'	581-SSF2 8-10' (SB)	581-SS-SF2D, 14-16' (SB)
CT ETPH	25	500	2500	2500	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SS-SF2D, 24-26' (SB)	581-SSSP3, 8-10'	581-SSP3, 16-18'	581-SSSP3, 22-24'	581-SSSFP4, 0-2'	581-SSSFP4, 12-14'	581-SSSFP4, 20-22'	581-SSAR1, 0-2'	581-SSAR3, 0-2'	581-SSAR5, 0-2'	581-SS-AR6, 0-2'	581-SS-AR7, 0-2'	581-SSCT9, 0-2'	581-SSWL-1, 8-10'
CT ETPH	25	500	2500	2500	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SSWL-3, 2-4'	581-SSNS3, 0-2'	581-SSNS5, 0-2'	581-SSNS6, 0-2'	581-SSNS7, 0-2	581-SSWB1, 10-12'	581-SSWB2, 0-2'	581-SSWB3, 8-10'	581-SSLF1, 0-2'	581-SSTP01 2-3'	581-SSTP02 2-3'	581-SSTP05 2.5-3'	581-SSTP06 2.5-3'	581-SSTP07 2.5-3.5'
CT ETPH	25	500	2500	2500	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	286	BDL

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SSTP08 2.5-3.5'	581-SSTP09 1.5-2.5'	581-SSGP1, 2-6'	581-SSGP2, 0-2'	581-SSGP3, 0-2'	581-SSGP4, 2-6'	581-SSGP5, 0-2'	581-SSGP6, 4-8'	581-SSGP7, 2-6'	581-SSGP8, 2-6'	581-SSGP9, 2-6'	581-SSGP13, 0-2'	581-SSGP14, 0-2'	581-SSGP16, 0-2'
CT ETPH	25	500	2500	2500	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)	581-SSGP17, 2-6'	581-SSGP18, 0-2'	581-SSGP19, 0-2'	581-SSGP20, 0-2'
CT ETPH	25	500	2500	2500	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) RES DEC - Residential Direct Exposure Criteria
(4) I/C DEC - Industrial/Commercial Direct Exposure Criteria
(5) GB PMC - GB Pollutant Mobility Criteria
(6) All results reported in milligrams per kilogram

TABLE 8

Summary of Soil Analytical Results
Priority Pollutant Metals
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	581-SSF1D 8-10'	581-SS-SF1D, 18-20'	581-SS-SF1D, 22-24'	581-SSF2D 8-10' (MW)	581-SS-SF2D, 14-16' (MW)	581-SS-SF2D, 22-24' (MW)	581-SS-SF3D, 8-10'	581-SSF3D 10-12'	581-SS-SF3D, 22-24'	581-SSSF1, 6-8'	581-SSSF1, 10-12	581-SSSF1, 20-22'	581-SSF2 8-10' (SB)	581-SS-SF2D, 14-16' (SB)	581-SS-SF2D, 24-26' (SB)	581-SSSP3, 8-10'	581-SSP3, 16-18'
Arsenic	1	10	10	BDL	15.4	18.6	BDL	11.7	14.5	1.4	1.8	15.7	BDL	BDL	12.8	BDL	17.5	21.1	BDL	5.2
Cadmium	0.5	34	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium, Total	0.5	4000	51100	4.7	20.4	23.3	4.3	22.9	26.3	5.0	4.9	24.7	5.3	5.3	26.4	16.4	20.9	28.1	5.6	18.6
Lead	0.5	500	1000	1.6	5.7	6.9	3.3	6.9	7.6	2.0	1.9	7.7	1.6	3.3	6.3	4.4	6.0	9.0	1.6	4.4
Mercury	0.02	20	610	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Selenium	0.5	340	10000	BDL	3.0	4.5	1.0	7.1	9.0	BDL	1.5	7.0	1.6	0.8	5.4	BDL	6.3	10.6	1.8	4.8
Silver	0.2	340	10000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Beryllium	0.5	2	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper	0.5	2500	76000	6	23.1	26.8	4.9	25.6	29.1	6.0	6.9	29.0	3.4	5.4	30.3	17.8	23.9	32.2	4.4	22.0
Nickel	0.5	1400	7500	5.2	18.7	22.4	5.4	21.6	25.2	6.9	5.0	25.0	5.7	6.1	24.6	14.5	19.3	28.7	5.2	17.2
Antimony	5	27	8200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Thallium	10	5.4	160	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc	0.5	20000	610000	10.4	51.7	58.4	9.6	57.0	62.7	10.7	11.1	60.0	10.7	11.4	65.1	39.7	52.5	65.6	11.4	48.4

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) RES DEC - Residential Direct Exposure Criteria
(4) I/C DEC - Industrial/Commercial Direct Exposure Criteria
(5) GB PMC - GB Pollutant Mobility Criteria
(6) All results reported in milligrams per kilograms

TABLE 8 cont.

Summary of Soil Analytical Results
Priority Pollutant Metals
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	581-SSSP3, 22-24'	581-SSSFP4, 0-2'	581-SSSFP4, 12-14'	581-SSSFP4, 20-22'	581-SSAR1, 0-2'	581-SSAR3, 0-2'	581-SSAR5, 0-2'	581-SS-AR6, 0-2'	581-SS-AR7, 0-2'	581-SSCT9, 0-2'	581-SSWL-1, 8-10'	581-SSWL-3, 2-4'	581-SSNS3, 0-2'	581-SSNS5, 0-2'	581-SSNS6, 0-2'	581-SSNS7, 0-2
Arsenic	1	10	10	2.2	4.3	14.1	21.5	1.0	6.1	2.4	9.6	6.4	7.7	1.5	1.4	4.6	6.7	1.8	2.5
Cadmium	0.5	34	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium, Total	0.5	4000	51100	24.9	8.8	19.8	22.8	6.9	7.9	11.5	7.4	8.8	7.5	6.8	8.3	10.4	7.9	6.9	6.7
Lead	0.5	500	1000	6.2	16.0	5.7	6.6	6.0	9.3	34.7	17.2	27.9	9.7	2.4	2.6	8.8	22.8	2.9	7.3
Mercury	0.02	20	610	BDL	0.04	BDL	BDL	0.03	0.04	0.25	0.09	0.16	0.11	BDL	BDL	0.12	0.05	BDL	BDL
Selenium	0.5	340	10000	8.6	BDL	2.6	4.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Silver	0.2	340	10000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Beryllium	0.5	2	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper	0.5	2500	76000	28.1	14.4	22.8	26.1	9.4	2.8	9.0	17.8	18.9	10.4	7.4	7.1	7.0	9.2	6.7	5.3
Nickel	0.5	1400	7500	24.2	7.3	18.2	21.6	4.6	4.7	5.5	5.9	6.6	5.2	9.2	7.7	4.8	6.5	8.4	6.8
Antimony	5	27	8200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Thallium	10	5.4	160	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc	0.5	20000	610000	61.6	33.3	48.1	56.7	14.4	15.9	19.8	36.6	37.8	13.9	16.1	13.0	13.9	23.7	15.1	16.2

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) RES DEC - Residential Direct Exposure Criteria
(4) I/C DEC - Industrial/Commercial Direct Exposure Criteria
(5) GB PMC - GB Pollutant Mobility Criteria
(6) All results reported in milligrams per kilograms

TABLE 8 cont.

Summary of Soil Analytical Results
Priority Pollutant Metals
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	581-SSWB1, 10-12'	581-SSWB2, 0-2'	581-SSWB3, 8-10'	581-SSLF1, 0-2'	581-SSTP01 2-3'	581-SSTP02 2-3'	581-SSTP05 2.5-3'	581-SSTP06 2.5-3'	581-SSTP07 2.5-3.5'	581-SSTP08 2.5-3.5'	581-SSTP09 1.5-2.5'	581-SSGP1, 2-6'	581-SSGP2, 0-2'	581-SSGP3, 0-2'	581-SSGP4, 2-6'	581-SSGP5, 0-2'
Arsenic	1	10	10	1.1	3.7	BDL	3.6	1.6	BDL	1.5	2.0	1.1	BDL	1.6	BDL	4.1	6.7	2.0	8.8
Cadmium	0.5	34	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium, Total	0.5	4000	51100	6.4	8.8	5	9.9	5.6	4.0	6.7	6.2	6.4	4.6	6.0	5.0	8.6	7.7	5.0	9.4
Lead	0.5	500	1000	2.0	33.6	4.2	9.7	4.5	8.1	3.7	20.6	2.7	2.3	13.3	1.7	12.5	11.0	3.1	11.3
Mercury	0.02	20	610	BDL	0.12	BDL	0.04	BDL	0.04	BDL	0.06	BDL	BDL	0.04	BDL	0.08	0.06	BDL	0.07
Selenium	0.5	340	10000	1.0	1.3	1.3	2.3	2.0	1.7	2.3	2.2	1.8	1.7	1.8	0.8	0.7	0.6	0.7	1.5
Silver	0.2	340	10000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Beryllium	0.5	2	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper	0.5	2500	76000	5.9	11.0	5.2	7.5	5.9	2.1	4.7	5.7	3.6	2.7	3.7	5.9	23.7	30.2	8.5	35.9
Nickel	0.5	1400	7500	6.3	5.6	5.6	4.9	5.5	1.6	4.4	2.9	4.1	3.6	2.3	7.2	7.2	6.0	6.6	7.6
Antimony	5	27	8200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Thallium	10	5.4	160	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc	0.5	20000	610000	12.3	41.4	13.2	18.7	13.1	4.3	13.1	18.3	12.1	9.2	12.3	11.3	23.5	20.7	12.6	23.7

Notes:
(1) BDL - Below Detection Limits
(2) *MDL - Minimum Detection Limits*
(3) RES DEC - Residential Direct Exposure Criteria
(4) I/C DEC - Industrial/Commercial Direct Exposure Criteria
(5) GB PMC - GB Pollutant Mobility Criteria
(6) All results reported in milligrams per kilograms

TABLE 8 cont.

Summary of Soil Analytical Results
Priority Pollutant Metals
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	581-SSGP6, 4-8'	581-SSGP7, 2-6'	581-SSGP8, 2-6'	581-SSGP9, 2-6'	581-SSGP13, 0-2'	581-SSGP14, 0-2'	581-SSGP16, 0-2'	581-SSGP17, 2-6'	581-SSGP18, 0-2'	581-SSGP19, 0-2'	581-SSGP20, 0-2'
Arsenic	1	10	10	1.1	BDL	1.1	BDL	1.9	1.7	1.5	1.1	1.8	3.4	1.6
Cadmium	0.5	34	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium, Total	0.5	4000	51100	5.5	4.9	5.3	6.2	9.2	12.2	8.6	4.6	8.0	11.2	6.9
Lead	0.5	500	1000	1.9	2.4	2.0	2.1	6.0	7.6	7.1	1.8	5.5	3.8	2.6
Mercury	0.02	20	610	BDL	BDL	BDL	BDL	0.03	0.04	0.03	BDL	0.03	0.03	BDL
Selenium	0.5	340	10000	1.3	1.4	1.9	1.6	1.6	1.8	1.5	1.7	1.6	1.3	1.6
Silver	0.2	340	10000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Beryllium	0.5	2	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper	0.5	2500	76000	6.3	5.7	5.8	5.2	6.1	6.4	5.4	5.6	3.3	7.0	4.8
Nickel	0.5	1400	7500	8.3	5.3	7.1	5.7	6.9	6.6	6.6	5.4	4.4	6.6	6.2
Antimony	5	27	8200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Thallium	10	5.4	160	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc	0.5	20000	610000	13.9	11.6	12.1	11.6	20.9	19.7	17.7	10.8	14.1	20.9	13.4

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) RES DEC - Residential Direct Exposure Criteria
(4) I/C DEC - Industrial/Commercial Direct Exposure Criteria
(5) GB PMC - GB Pollutant Mobility Criteria
(6) All results reported in milligrams per kilograms

TABLE 9

Summary of Soil Analytical Results
SPLP Arsenic
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/L)	GB PMC (mg/L)	581-SS-SF1D, 18-20'	581-SS-SF1D, 22-24'	581-SS-SF2D, 14-16' (MW)	581-SS-SF2D, 22-24' (MW)	581-SS-SF3D, 22-24'	581-SSSF1, 20-22'	581-SS-SF2D, 14-16' (SB)	581-SS-SF2D, 24-26' (SB)	581-SSSFP4, 12-14'	581-SSSFP4, 20-22'
Arsenic	0.05	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) GB PMC - GB Pollutant Mobility Criteria
(4) All results reported in mg/L
(5) SPLP - Synthetic Precipitation Leaching Procedure

TABLE 10

Summary of Soil Analytical Results
Additional Arsenic Analysis
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/kg)	RES DEC (mg/kg)	I/C DEC (mg/kg)	581-SS-SF1D, 18-20' (#6401)	581-SS-SF1D, 22-24' (#6400)	581-SS-SF2D, 14-16' (MW) (#6408)	581-SS-SF2D, 22-24' (MW) (#6410)	581-SS-SF3D, 22-24' (#6405)	581-SSSF1, 22-20' (#6511)	581-SS-SF2D, 14-16' (SB) (#6414)	581-SS-SF2D, 24-26' (SB) (#6413)	581-SSSFP4, 12-14' (#6460)	581-SSSFP4, 20-22' (#6459)
INITIAL DATA													
Arsenic	1	10	10	15.4	18.6	11.7	14.5	15.7	12.8	17.5	21.1	14.1	21.5
DUPLICATE DATA SET #2													
Arsenic	1	10	10	6.9	7.4	7.2	8.9	8.2	4.2	7.0	8.9	2.8	8.0

Notes:
(1) MDL - Minimum Detection Limits
(2) All results reported in mg/kg
(3) "#" indicates CTL Laboratory sample tracking number

TABLE 11

Summary of Ground Water Analytical Results
Volatile Organic Compounds
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/L)	Chronic Aquatic Life Criteria (mg/L)	581-GWWL-1	581-GWMW-WL-3	581-GWWB-1	581-GWMW-WB-2	581-GWWB-3
Dichlorodifluoromethane	0.001	NE	BDL	BDL	BDL	BDL	BDL
Chloromethane	0.001	NE	BDL	BDL	BDL	BDL	BDL
Vinyl chloride	0.001	NE	BDL	BDL	BDL	BDL	BDL
Chloroethane	0.001	NE	BDL	BDL	BDL	BDL	BDL
Bromomethane	0.001	NE	BDL	BDL	BDL	BDL	BDL
Trichloroflouromethane	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	0.001	NE	BDL	BDL	BDL	BDL	BDL
Methylene chloride	0.001	NE	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	0.001	NE	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	0.001	NE	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	0.001	NE	BDL	BDL	BDL	BDL	BDL
Chloroform	0.001	NE	BDL	BDL	BDL	BDL	BDL
Bromochloromethane	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,1-Dichloropropylene	0.001	NE	BDL	BDL	BDL	BDL	BDL
Carbon tetrachloride	0.001	NE	BDL	BDL	BDL	BDL	BDL
Benzene	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	0.001	NE	BDL	BDL	BDL	BDL	BDL
Trichloroethylene	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	0.001	NE	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.001	NE	BDL	BDL	BDL	BDL	BDL
Dibromomethane	0.001	NE	BDL	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	0.001	NE	BDL	BDL	BDL	BDL	BDL
Toluene	0.001	NE	BDL	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropylene	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.001	NE	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,3-Dichloropropane	0.001	NE	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,2-Dibromoethane (EDB)	0.001	NE	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	0.001	NE	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	0.001	NE	BDL	BDL	BDL	BDL	BDL
p/m-Xylene (total Xylenes)	0.001	NE	BDL	BDL	BDL	BDL	BDL
o-Xylene (total Xylenes)	0.001	NE	BDL	BDL	BDL	BDL	BDL
Styrene	0.001	NE	BDL	BDL	BDL	BDL	BDL
Bromoform	0.001	NE	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,1,2,2-tetrachloroethane	0.001	NE	BDL	BDL	BDL	BDL	BDL
Bromobenzene	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	0.001	NE	BDL	BDL	BDL	BDL	BDL
n-Propylbenze	0.001	NE	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,3,5-trimethylbenzene	0.001	NE	BDL	BDL	BDL	BDL	BDL
4-Chlorotoluene	0.001	NE	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,2,4-trimethylbenzene	0.001	NE	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	0.001	NE	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,3-dichlorobenzene	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	NE	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,2-Dibromo-3-chloropropane	0.001	NE	BDL	BDL	BDL	BDL	BDL
1,2,4-trichlorobenzene	0.001	NE	BDL	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.01	NE	BDL	BDL	BDL	BDL	BDL
Naphthalene	0.01	NE	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	0.001	NE	BDL	BDL	BDL	BDL	BDL
Methyl ethyl ketone	0.01	NE	BDL	BDL	BDL	BDL	BDL
Methyl butyl ketone	0.01	NE	BDL	BDL	BDL	BDL	BDL
Methyl isobutyl ketone	0.01	NE	BDL	BDL	BDL	BDL	BDL

Notes:
(1) All results measured in mg/L
(2) BDL - Below Detection Limits
(3) MDL - Minimum Detection Limits
(4) NE - None Established by Appendix D of the Water Quality Standards, dated April 8, 1997.

TABLE 11 cont.

Summary of Ground Water Analytical Results
Volatile Organic Compounds
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/L)	581-GWMW-SFP-1D	581-GWMW-SFP-1S	581-GWSFP2D	581-GWSFP2S	581-GWSFP3D	581-GWMW-SFP-3S	581-GWMW-LR-1	581-GWNK, MW17S	581-GWNK, MW06S	581-GWNA, MW01
Dichlorodifluoromethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl chloride	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroflouromethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene chloride	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	0.001	BDL	BDL	BDL	BDL	0.007	BDL	BDL	BDL	BDL	BDL
Bromochloromethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloropropylene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon tetrachloride	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethylene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibromomethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropylene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichloropropane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromoethane (EDB)	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p/m-Xylene (total Xylenes)	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
o-Xylene (total Xylenes)	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2,2-tetrachloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenze	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-trimethylbenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Chlorotoluene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-trimethylbenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butyulbenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromo-3-chloropropane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-trichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	0.01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl ethyl ketone	0.01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl butyl ketone	0.01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl isobutyl ketone	0.01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) All results measured in mg/L
(2) BDL - Below Detection Limits
(3) MDL - Minimum Detection Limits

TABLE 12

Summary of Ground Water Analytical Results
Semi-Volatile Organic Compounds
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/L)	Chronic Aquatic Life Criteria (mg/L)	581-GWWL-1	581-GWMW-WL-3	581-GWWB-1	581-GWMW-WB-2	581-GWWB-3
Acenaphthene	0.005	NE	BDL	BDL	BDL	BDL	BDL
Acenaphthylene	0.005	NE	BDL	BDL	BDL	BDL	BDL
Anthracene	0.005	NE	BDL	BDL	BDL	BDL	BDL
Benzidine	0.005	NE	BDL	BDL	BDL	BDL	BDL
Benzo(a)anthracene	0.005	NE	BDL	BDL	BDL	BDL	BDL
Benzo(a)pyrene	0.005	NE	BDL	BDL	BDL	BDL	BDL
Benzo(b)fluoranthene	0.005	NE	BDL	BDL	BDL	BDL	BDL
Benzo(g,h,i)perylene	0.02	NE	BDL	BDL	BDL	BDL	BDL
Benzo(k)fluoranthene	0.005	NE	BDL	BDL	BDL	BDL	BDL
bis(2-Chloroethoxy)methane	0.005	NE	BDL	BDL	BDL	BDL	BDL
bis(2-Chloroethyl)ether	0.005	NE	BDL	BDL	BDL	BDL	BDL
Bis(2-chloroisopropyl)ether	0.005	NE	BDL	BDL	BDL	BDL	BDL
bis(2-Ethylhexyl)phthalate	0.005	NE	BDL	BDL	BDL	BDL	BDL
4-Bromophenyl phenyl ether	0.005	NE	BDL	BDL	BDL	BDL	BDL
Butyl benzyl phthalate	0.005	NE	BDL	BDL	BDL	BDL	BDL
2-Chloronaphthalene	0.005	NE	BDL	BDL	BDL	BDL	BDL
4-Chlorophenyl phenylether	0.005	NE	BDL	BDL	BDL	BDL	BDL
Chrysene	0.005	NE	BDL	BDL	BDL	BDL	BDL
Dibenzo(a,h)anthracene	0.02	NE	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.005	NE	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.005	NE	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.005	NE	BDL	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	0.005	NE	BDL	BDL	BDL	BDL	BDL
Diethyl phthalate	0.005	NE	BDL	BDL	BDL	BDL	BDL
Dimethyl phthalate	0.005	NE	BDL	BDL	BDL	BDL	BDL
Di-n-butyl phthalate	0.005	NE	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	0.005	NE	BDL	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	0.005	NE	BDL	BDL	BDL	BDL	BDL
Di-n-octyl phthalate	0.005	NE	BDL	BDL	BDL	BDL	BDL
1,2-Diphenylhydrazine	0.005	NE	BDL	BDL	BDL	BDL	BDL
Fluoranthene	0.005	NE	BDL	BDL	BDL	BDL	BDL
Fluorene	0.005	NE	BDL	BDL	BDL	BDL	BDL
Hexachlorobenzene	0.005	NE	BDL	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.005	NE	BDL	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	0.005	NE	BDL	BDL	BDL	BDL	BDL
Hexachloroethane	0.005	NE	BDL	BDL	BDL	BDL	BDL
Indeno(1,2,3-cd)pyrene	0.02	NE	BDL	BDL	BDL	BDL	BDL
Isophorone	0.005	NE	BDL	BDL	BDL	BDL	BDL
Naphthalene	0.005	NE	BDL	BDL	BDL	BDL	BDL
Nitrobenzene	0.005	NE	BDL	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	0.005	NE	BDL	BDL	BDL	BDL	BDL
N-Nitrosodi-n-propylamine	*0.005*	*NE*	*BDL*	*BDL*	*BDL*	*BDL*	*BDL*
N-Nitrosodiphenylamine	0.005	NE	BDL	BDL	BDL	BDL	BDL
Phenanthrene	0.005	NE	BDL	BDL	BDL	BDL	BDL
Pyrene	0.005	NE	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	0.005	NE	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	0.02	NE	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	0.02	NE	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	0.02	NE	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	0.02	NE	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	0.02	NE	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	0.02	NE	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	0.02	NE	BDL	BDL	BDL	BDL	BDL
4-Chloro-3-methylphenol	0.02	NE	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	0.02	NE	BDL	BDL	BDL	BDL	BDL
Phenol	0.02	NE	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	0.02	NE	BDL	BDL	BDL	BDL	BDL

Notes:
(1) All results reported in mg/L
(2) BDL - Below Detection Limit
(3) MDL - Minimum Detection Limit
(4) NE - None Established by Appendix D of the Water Quality Standards, dated April 8, 1997.

TABLE 12 cont.

Summary of Ground Water Analytical Results
Semi-Volatile Organic Compounds
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/L)	581-GWMW-SFP-1D	581-GWMW-SFP-1S	581-GWSFP2D	581-GWSFP2S	581-GWSFP3D	581-GWMW-SFP-3S	581-GWMW-LF-1	581-GWNK, MW17S	581-GWNK, MW06S	581-GWNA, MW01
Acenaphthene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Acenaphthylene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Anthracene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzidine	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(a)anthracene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(a)pyrene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(b)fluoranthene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(g,h,i)perylene	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(k)fluoranthene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
bis(2-Chloroethoxy)methane	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
bis(2-Chloroethyl)ether	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bis(2-chloroisopropyl)ether	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
bis(2-Ethylhexyl)phthalate	0.005	BDL	BDL	BDL	BDL	0.016	BDL	BDL	BDL	BDL	BDL
4-Bromophenyl phenyl ether	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Butyl benzyl phthalate	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chloronaphthalene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Chlorophenyl phenylether	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chrysene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibenzo(a,h)anthracene	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl phthalate	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dimethyl phthalate	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Di-n-butyl phthalate	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Di-n-octyl phthalate	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Diphenylhydrazine	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Fluoranthene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Fluorene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobenzene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hexachloroethane	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Indeno(1,2,3-cd)pyrene	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isophorone	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nitrobenzene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitrosodi-n-propylamine	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Phenanthrene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Pyrene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Chloro-3-methylphenol	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) All results reported in mg/L
(2) BDL - Below Detection Limit
(3) MDL - Minimum Detection Limit

TABLE 13

Summary of Ground Water Analytical Results
Polychlorinated Biphenyls
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/L)	Chronic Aquatic Life Criteria (mg/L)	581-GWWL-1	581-GWMW-WL-3	581-GWWB-1	581-GWMW-WB-2	581-GWWB-3
PCBs	0.001	0.000014	BDL	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) All results reported in mg/L
(4) PCBs - Polychlorinated Biphenyls

TABLE 13 cont.

Summary of Ground Water Analytical Results
Polychlorinated Biphenyls
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/L)	581-GWMW-SFP-1D	581-GWMW-SFP-1S	581-GWSFP2D	581-GWSFP2S	581-GWSFP3D	581-GWMW-SFP-3S	581-GWMW-LF-1	581-GWNK, MW17S	581-GWNK, MW06S	581-GWNA, MW01
PCBs	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) All results reported in mg/L
(4) PCBs - Polychlorinated Biphenyls

TABLE 14

Summary of Ground Water Analytical Results
Pesticides and Herbicides
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/L)	Chronic Aquatic Life Criteria (mg/L)	581-GWWL-1	581-GWMW-WL-3	581-GWWB-1	581-GWMW-WB-2	581-GWWB-3
MCPP	0.1	NE	BDL	BDL	BDL	BDL	BDL
MCPA	0.1	NE	BDL	BDL	BDL	BDL	BDL
Dinoseb	0.001	NE	BDL	BDL	BDL	BDL	BDL
Dicamba	0.001	NE	BDL	BDL	BDL	BDL	BDL
Dalapon	0.001	NE	BDL	BDL	BDL	BDL	BDL
Dichloroprop	0.001	NE	BDL	BDL	BDL	BDL	BDL
2,4-D	0.001	NE	BDL	BDL	BDL	BDL	BDL
2,4-DB	0.001	NE	BDL	BDL	BDL	BDL	BDL
2,4,5-T	0.001	NE	BDL	BDL	BDL	BDL	BDL
2,4,5-TP	0.001	NE	BDL	BDL	BDL	BDL	BDL
Aldrin	0.001	NE	BDL	BDL	BDL	BDL	BDL
a-BHC	0.001	NE	BDL	BDL	BDL	BDL	BDL
b-BHC	0.001	NE	BDL	BDL	BDL	BDL	BDL
d-BHC	0.001	NE	BDL	BDL	BDL	BDL	BDL
Lindane	0.001	0.00008	BDL	BDL	BDL	BDL	BDL
Chlordane	0.001	0.0000043	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	0.001	NE	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	0.001	NE	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	0.001	0.000001	BDL	BDL	BDL	BDL	BDL
Dieldrin	0.001	0.0000019	BDL	BDL	BDL	BDL	BDL
Endosulfan I	0.01	NE	BDL	BDL	BDL	BDL	BDL
Endosulfan II	0.01	NE	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	0.001	NE	BDL	BDL	BDL	BDL	BDL
Endrin	0.001	0.0000023	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	0.001	NE	BDL	BDL	BDL	BDL	BDL
Heptachlor	0.001	0.0000038	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	0.001	0.0000038	BDL	BDL	BDL	BDL	BDL
Methoxychlor	0.001	NE	BDL	BDL	BDL	BDL	BDL
Toxaphene	0.001	0.0000002	BDL	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) All results reported in mg/L
(4) NE - None Established by Appendix D of the Water Quality Standards, dated April 8, 1997.

TABLE 14 cont.

Summary of Ground Water Analytical Results
Pesticides and Herbicides
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/L)	581-GWMW-SFP-1D	581-GWMW-SFP-1S	581-GWSFP2D	581-GWSFP2S	581-GWSFP3D	581-GWMW-SFP-3S	581-GWMW-LF-1	581-GWNK, MW17S	581-GWNK, MW06S	581-GWNA, MW01
MCPP	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MCPA	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dinoseb	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dicamba	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dalapon	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichloroprop	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-D	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-DB	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4,5-T	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4,5-TP	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Aldrin	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
a-BHC	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
b-BHC	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
d-BHC	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lindane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	0.01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	0.01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methoxychlor	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) All results reported in mg/L

TABLE 15

Summary of Ground Water Analytical Results
Connecticut Extractable Total Petroleum Hydrocarbons
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/L)	Chronic Aquatic Life Criteria (mg/L)	581-GWWL-1	581-GWMW-WL-3	581-GWWB-1	581-GWMW-WB-2	581-GWWB-3
CT ETPH	0.1	NE	BDL	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) All results reported in mg/L
(4) CT ETPH - Connecticut Extractable Petroleum Hydrocarbons
(5) NE - None Established by Appendix D of the Water Quality Standards, dated April 8, 1997.

TABLE 15 cont.

Summary of Ground Water Analytical Results
Connecticut Extractable Total Petroleum Hydrocarbons
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/L)	581-GWMW-SFP-1D	581-GWMW-SFP-1S	581-GWSFP2D	581-GWSFP2S	581-GWSFP3D	581-GWMW-SFP-3S	581-GWMW-LF-1	581-GWNK, MW17S	581-GWNK, MW06S	581-GWNA, MW01
CT ETPH	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) All results reported in mg/L
(4) CT ETPH - Connecticut Extractable Petroleum Hydrocarbons

TABLE 16

Summary of Ground Water Analytical Results
Priority Pollutant Metals
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/L)	581-GWMW-SFP-1D	581-GWMW-SFP-1S	581-GWSFP2D	581-GWSFP2S	581-GWSFP3D	581-GWMW-SFP-3S	581-GWMW-LF-1	581-GWNK, MW17S	581-GWNK, MW06S	581-GWNA, MW01
Arsenic	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Cadmium	0.0006	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium, Total	0.05	BDL	BDL	0.108	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lead	0.001	0.001	BDL	0.002	BDL	0.001	BDL	BDL	BDL	BDL	BDL
Mercury	0.00001	BDL	BDL	0.00002	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Selenium	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Silver	0.001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Beryllium	0.004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper	0.004	0.011	BDL	0.004	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nickel	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Antimony	0.006	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Thallium	0.002	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) All water samples measured in milligrams per Liter

TABLE 17

Summary of Ground Water Analytical Results
Priority Pollutant Metals - Aquatic Life Criteria
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/L)	Chronic Aquatic Life Criteria (mg/L)	581-GWWL-1	581-GWMW-WL-3	581-GWMW-WB-2	581-GWWB-1	581-GWWB-3
Arsenic	0.05	0.19	BDL	BDL	BDL	BDL	BDL
Cadmium	0.0006	0.00062	BDL	BDL	BDL	BDL	BDL
Chromium, Total	0.05	0.113	BDL	BDL	BDL	BDL	BDL
Lead	0.001	0.0012	BDL	**0.002**	BDL	BDL	BDL
Mercury	0.00001	0.000012	BDL	**0.00002**	0.00001	**0.00002**	0.00001
Selenium	0.005	0.005	BDL	BDL	BDL	BDL	BDL
Silver	0.001	NE	BDL	BDL	BDL	BDL	BDL
Beryllium	0.004	NE	BDL	BDL	BDL	BDL	BDL
Copper	0.004	0.0048	0.004	**0.012**	BDL	BDL	BDL
Nickel	0.05	0.088	BDL	BDL	BDL	BDL	BDL
Antimony	0.006	NE	BDL	BDL	BDL	BDL	BDL
Thallium	0.002	NE	BDL	BDL	BDL	BDL	BDL
Zinc	0.05	0.0582	BDL	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) All water samples measured in milligrams per Liter
(4) NE - None Established by Appendix D of the Water Quality Standards, dated April 8, 1997.

TABLE 18

Summary of Soil Analytical Results
Field Quality Assurance/Quality Control - Volatile Organic Compounds
UCONN Football Stadium
Rentschler Field
East Hartford, CT

	Equipment Blanks					Duplicate Soil Sample Identification				
Parameter	MDL (mg/kg)	581-EB001	581-EB002	581-EB003	581-EB004	MDL (mg/kg)	581-SSWL1, 8-10'	581-RSSWL1, 8-10'	581-SSWL3, 2-4'	581-RSSWL3, 2-4'
Dichlorodifluoromethane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Chloromethane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Vinyl chloride	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Chloroethane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Bromomethane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Trichlorofluoromethane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Methylene chloride	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
t-1,2-Dichloroethylene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,1-Dichloroethane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
2,2-Dichloropropane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Chloroform	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Bromochloromethane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,1-Dichloropropylene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Carbon tetrachloride	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Benzene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,2-Dichloroethane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Trichloroethylene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,2-Dichloropropane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Bromodichloromethane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Dibromomethane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Toluene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
t-1,3-Dichloropropylene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Tetrachloroethylene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,3-Dichloropropane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Dibromochloromethane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,2-Dibromoethane (EDB)	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Chlorobenzene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Ethylbenzene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
p/m-Xylene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
o-Xylene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Styrene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Bromoform	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Isopropylbenzene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Bromobenzene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
n-Propylbenzene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
2-Chlorotoluene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
4-Chlorotoluene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
tert-Butylbenzene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
sec-Butylbenzene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
p-Isopropyltoluene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
n-Butylbenzene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,2-Dibromo-3-chloropropane	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.01	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Naphthalene	0.01	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	0.001	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL	BDL
Methyl ethyl ketone	0.01	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Methyl butyl ketone	0.01	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Methyl isobutyl ketone	0.01	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) All samples measured in milligrams per kilogram
(4) "R" prefix indicates replicate samples

TABLE 18 cont.

Summary of Soil Analytical Results
Field Quality Assurance/Quality Control - Semi-Volatile Organic Compounds
UCONN Football Stadium
Rentschler Field
East Hartford, CT

	Equipment Blanks	
Parameter	MDL (mg/kg)	581-EB001
Acenaphthene	0.005	BDL
Acenaphthylene	0.005	BDL
Anthracene	0.005	BDL
Benzidine	0.005	BDL
Benzo(a)anthracene	0.005	BDL
Benzo(a)pyrene	0.005	BDL
Benzo(b)fluoranthene	0.005	BDL
Benzo(g,h,i)perylene	0.005	BDL
Benzo(k)fluoranthene	0.005	BDL
bis(2-Chloroethoxy)methane	0.005	BDL
bis(2-Chloroethyl)ether	0.005	BDL
Bis(2-chloroisopropyl)ether	0.005	BDL
bis(2-Ethylhexyl)phthalate	0.005	BDL
4-Bromophenyl phenyl ether	0.005	BDL
Butyl benzyl phthalate	0.005	BDL
2-Chloronaphthalene	0.005	BDL
4-Chlorophenyl phenylether	0.005	BDL
Chrysene	0.005	BDL
Dibenzo(a,h)anthracene	0.02	BDL
1,2-Dichlorobenzene	0.005	BDL
1,3-Dichlorobenzene	0.005	BDL
1,4-Dichlorobenzene	0.005	BDL
3,3-Dichlorobenzidine	0.005	BDL
Diethyl phthalate	0.005	BDL
Dimethyl phthalate	0.005	BDL
Di-n-butyl phthalate	0.005	BDL
2,4-Dinitrotoluene	0.005	BDL
2,6-Dinitrotoluene	0.005	BDL
Di-n-octyl phthalate	0.005	BDL
1,2-Diphenylhydrazine	0.005	BDL
Fluoranthene	0.005	BDL
Fluorene	0.005	BDL
Hexachlorobenzene	0.005	BDL
Hexachlorobutadiene	0.005	BDL
Hexachlorocyclopentadiene	0.005	BDL
Hexachloroethane	0.005	BDL
Indeno(1,2,3-cd)pyrene	0.05	BDL
Isophorone	0.005	BDL
Naphthalene	0.005	BDL
Nitrobenzene	0.005	BDL
N-Nitrosodimethylamine	0.005	BDL
N-Nitrosodi-n-propylamine	0.005	BDL
N-Nitrosodiphenylamine	0.005	BDL
Phenanthrene	0.005	BDL
Pyrene	0.005	BDL
1,2,4-Trichlorobenzene	0.005	BDL
2-Chlorophenol	0.02	BDL
2,4-Dichlorophenol	0.02	BDL
2,4-Dimethylphenol	0.02	BDL
2-Methyl-4,6-Dinitrophenol	0.02	BDL
2,4-Dinitrophenol	0.02	BDL
2-Nitrophenol	0.02	BDL
4-Nitrophenol	0.02	BDL
4-Chloro-3-methylphenol	0.02	BDL
Pentachlorophenol	0.02	BDL
Phenol	0.02	BDL
2,4,6-Trichlorophenol	0.02	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) All water samples measured in milligrams per kilograms

TABLE 18 cont.

Summary of Soil Analytical Results
Field Quality Assurance/Quality Control - Connecticut Extractable Total Petroleum Hydrocarbons
UCONN Football Stadium
Rentschler Field
East Hartford, CT

	Equipment Blanks					Duplicate Soil Sample Identification						
Parameter	MDL (mg/kg)	581-EB001	581-EB002	581-EB003	581-EB004	MDL (mg/kg)	581-SSWL-1, 8-10'	581-RSSWL-1, 8-10'	581-SSWL-3, 2-4'	581-RSSWL-3, 2-4'	581-SS-SF2D, 24-26' (SB)	581-SS-SF2D, 24-26' (SB)
CT ETPH	25	BDL	BDL	BDL	BDL	25	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) All samples measured in milligrams per kilogram
(4) "R" prefix indicates replicate samples

TABLE 18 cont.

Summary of Soil Analytical Results
Field Quality Assurance/Quality Control - Polychlorinated Biphenyls
UCONN Football Stadium
Rentschler Field
East Hartford, CT

	Equipment Blanks					Duplicate Soil Sample Identification				
Parameter	MDL (mg/kg)	581-EB001	581-EB002	581-EB003	581-EB004	MDL (mg/kg)	581-SSWL-1, 8-10'	581-RSSWL-1, 8-10'	581-SSWL-3, 2-4'	581-RSSWL-3, 2-4'
PCBs-Total	1	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) All samples measured in milligrams per kilogram
(4) "R" prefix indicates replicate samples

TABLE 18 cont.

Summary of Soil Analytical Results
Field Quality Assurance/Quality Control - Pesticides and Herbicides
UCONN Football Stadium
Rentschler Field
East Hartford, CT

	Equipment Blanks					Duplicate Soil Sample Identification				
Parameter	MDL (mg/kg)	581-EB001	581-EB002	581-EB003	581-EB004	MDL (mg/kg)	581-SSGP7 0-2'	581-RSGP7, 0-2'	581-SSGP12 0-2'	581-RSSGP12 0-2'
MCPP	0.1	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL
MCPA	0.1	BDL	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL
Dinoseb	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Dicamba	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Dalapon	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Dichloroprop	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
2,4-D	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
2,4-DB	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
2,4,5-T	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
2,4,5-TP	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Aldrin	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
a - BHC	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
b - BHC	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
d - BHC	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Lindane	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Chlordane	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
4,4' - DDD	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
4,4' - DDE	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
4,4' - DDT	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Dieldrin	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Endosulfan I	0.001	BDL	BDL	BDL	BDL	0.1	BDL	BDL	BDL	BDL
Endosulfan II	0.001	BDL	BDL	BDL	BDL	0.1	BDL	BDL	BDL	BDL
Endosulfan Sulfate	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Endrin	0.0001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Endrin Aldehyde	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Heptachlor	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Heptachlor Epoxide	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Methoxychlor	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL
Toxaphene	0.001	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) All water and soil samples measured in milligrams per kilogram
(4) "R" prefix indicates replicate samples

TABLE 18 cont.

Summary of Soil Analytical Results
Field Quality Assurance/Quality Control - Priority Pollutant Metals
UCONN Football Stadium
Rentschler Field
East Hartford, CT

	Equipment Blanks					Duplicate Soil Sample Identification						
Parameter	MDL (mg/kg)	581-EB001	581-EB002	581-EB003	581-EB004	MDL (mg/kg)	581-SSWL-1, 8-10'	581-RSSWL-1, 8-10'	581-SSWL-3, 2-4'	581-RSSWL-3, 2-4'	581-SS-SF2D, 24-26' (SB)	581-SS-SF2D, 24-26' (SB)
Arsenic	0.05	BDL	BDL	BDL	BDL	1	1.5	2.0	1.4	1.9	21.1	6.1
Cadmium	0.005	BDL	BDL	BDL	BDL	0.5	BDL	BDL	BDL	BDL	BDL	BDL
Chromium, Total	0.05	BDL	BDL	BDL	BDL	0.5	6.8	7.3	8.3	8.1	28.1	26.9
Lead	0.005	BDL	BDL	BDL	BDL	0.5	2.4	2.3	2.6	2.5	9.0	8.6
Mercury	0.002	BDL	BDL	BDL	BDL	0.02	BDL	BDL	BDL	BDL	BDL	BDL
Selenium	0.01	BDL	BDL	BDL	BDL	0.5	BDL	BDL	BDL	BDL	10.6	8.0
Silver	0.01	BDL	BDL	BDL	BDL	0.2	BDL	BDL	BDL	BDL	BDL	BDL
Beryllium	0.01	BDL	BDL	BDL	BDL	0.5	BDL	BDL	BDL	BDL	BDL	BDL
Copper	0.01	0.02	BDL	BDL	BDL	0.5	7.4	7.2	7.1	7.5	32.2	31.6
Nickel	0.05	BDL	BDL	BDL	BDL	0.5	9.2	9.2	7.7	7.9	28.7	27.9
Antimony	0.5	BDL	BDL	BDL	BDL	5	BDL	BDL	BDL	BDL	BDL	BDL
Thallium	0.5	BDL	BDL	BDL	BDL	10	BDL	BDL	BDL	BDL	BDL	BDL
Zinc	0.05	BDL	BDL	BDL	BDL	0.5	16.1	15.3	13.0	12.8	65.6	64.5

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) All samples measured in milligrams per kilogram
(4) "R" prefix indicates replicate samples

TABLE 19 cont.

Summary of Ground Water Analytical Results
Field Quality Assurance/Quality Control - Priority Pollutant Metals
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Parameter	MDL (mg/L)	581-EB001	581-GWNA, MW01	581-GWRS-002
Arsenic	0.05	BDL	BDL	BDL
Cadmium	0.0006	BDL	BDL	BDL
Chromium, Total	0.05	BDL	BDL	BDL
Lead	0.001	BDL	BDL	BDL
Mercury	0.00001	BDL	BDL	BDL
Selenium	0.005	BDL	BDL	BDL
Silver	0.001	BDL	BDL	BDL
Beryllium	0.004	BDL	BDL	BDL
Copper	0.004	BDL	BDL	BDL
Nickel	0.05	BDL	BDL	BDL
Antimony	0.006	BDL	BDL	BDL
Thallium	0.002	BDL	BDL	BDL
Zinc	0.05	BDL	BDL	BDL

Notes:
(1) BDL - Below Detection Limits
(2) MDL - Minimum Detection Limits
(3) All samples reported in mg/L
(4) "RS" prefix indicates replicate sample
(5) "EB" prefix indicates equipment blank

TABLE 20

Summary of Soil Analytical Results
Laboratory Quality Assurance/Quality Control - Volatile Organic Compounds
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Surrogate Recovery Compound	581-SSWB1, 10-12'	581-SSWB2, 0-2'	581-SSWB3, 8-10'	581-SSLF1, 0-2'	581-SSSF1, 6-8'	581-SSSF1, 10-12'	581-SSSF1, 22-24'	581-SSF2 8-10' (SB)	581-SSSP3, 4-6'	581-SSSP3, 8-10'	581-SSSP3, 16-18'	581-SSSP3, 22-24'	581-SSSFP4, 0-2'	581-SSSFP4, 12-14'	581-SSFP4, 20-22'	581-SSF1D 8-10'	581-SSF2D 8-10' (MW)	581-SS-SF2D, 14-16' (MW)	581-SS-SF2D, 22-24' (MW)	581-SS-SF3D, 8-10'	581-SSF3D 10-12'
Dibromofluoromethane	81	81	81	70	84	89	85	99	79	89	87	84	68	70	75	107	109	70	73	91	108
Toluene-d8	91	95	97	89	80	91	86	87	85	87	88	91	84	93	91	92	90	98	93	118	93

Surrogate Recovery Compound	581-SSTP01, 2-3'	581-SSTP02, 2-3'	581-SSTP05, 2.5-3'	581-SSTP06, 2.5-3'	581-SSTP07, 2.5-3.5'	581-SSTP08, 2.5-3.5'	581-SSTP09, 1.5-2.5'	581-SSGP1, 2-6'	581-SSGP2, 0-2'	581-SSGP3, 0-2'	581-SSGP4, 2-6'	581-SSGP5, 0-2'	581-SSGP6 4-8'	581-RSGP7, 0-2'	581-SSGP7, 2-6'	581-SSGP8, 2-6'	581-SSGP9, 2-6'	581-SSGP13, 0-2'	581-SSGP14, 0-2'	581-SSGP16, 0-2'	581-SSGP17, 2-6'
Dibromofluoromethane	89	96	89	98	97	79	89	85	85	79	85	78	80	87	72	86	91	93	87	82	94
Toluene-d8	92	103	95	96	87	94	87	88	91	84	88	78	89	80	89	95	80	76	83	63	81

Surrogate Recovery Compound	581-SSGP18, 0-2'	581-SSGP19, 0-2'	581-SSGP20, 0-2'	581-SSAR3, 0-2'	581-SSAR5, 0-2'	581-SS-AR6, 0-2	581-SS-AR7, 0-2'	581-SSCT9, 0-2'	581-SSWL1, 8-10'	581-RSSWL1, 8-10'	581-SSWL3, 2-4'	581-RSSWL3, 2-4'	581-SSNS3, 0-2'	581-SSNS5, 0-2'	581-SSNS6, 0-2'	581-SSNS7, 0-2'	581-EB001	581-EB002	581-EB003	581-EB004
Dibromofluoromethane	81	91	91	80	71	86	101	88	69	96	80	75	73	74	69	76	77	77	81	69
Toluene-d8	76	89	92	101	78	95	124	106	94	115	96	91	86	90	89	92	83	92	87	78

Notes:
(1) All measurements recorded as percentages
(2) "R" indicates replicate sample

TABLE 20 cont.

Summary of Soil Analytical Results
Laboratory Quality Assurance/Quality Control - Semi-Volatile Organic Compounds
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Surrogate Recovery Compound	581-SSLF1, 0-2'	581-SSGP1, 2-6'	581-SSWB1, 10-12'	581-SSWB2, 0-2'	581-SSDS2, 0-2'	581-SSDS5, 0-2'	581-SSDS6, 0-2'	581-SSDS6, 0-2'	581-EB001
Acenapthnene d10	78	79	76	115	121	84	95	84	70
Phenanthrene d10	125	155	116	156	143	88	146	83	76

Notes:
(1) All measurements recorded as percentages

TABLE 20 cont.

Summary of Soil Analytical Results
Laboratory Quality Assurance/Quality Control - Polychlorinated Biphenyls
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Surrogate Recovery Compound	581-SSWB1, 10-12'	581-SSWB2, 0-2'	581-SSWB3, 8-10'	581-SSWB3, 12-14	581-SSLF1, 0-2'	581-SSLF1, 10-12'	581-SSSF1, 6-8'	581-SSSF1, 10-12'	581-SSSF1, 20-22'	581-SS-SF2D, 0-2' (SB)	581-SSF2, 8-10' (SB)	581-SS-SF2D 14-16' (SB)	581-SS-SF2D 24-26' (SB)	581-SSSP3, 0-2'
Decachlorobiphenyl	118	84	104	115	108	99	106	116	103	100	111	97	100	95

Surrogate Recovery Compound	581-SSSP3, 4-6'	581-SSP3, 8-10'	581-SSSP3, 16-18'	581-SSSP3, 22-24	581-SSSFP4, 0-2	581-SSSFP4, 8-10'	581-SS-SF1D, 0-2'	581-SSF1D, 8-10'	581-SSF1D, 18-20'	581-SSF1D, 22-24'	581-SS-SF2D, 0-2' (MW)	581-SSF2D 8-10' (MW)	581-SS-SF2D 14-16' (MW)	581-SS-SF2D 22-24' (MW)
Decachlorobiphenyl	109	102	112	100	104	115	98	104	100	112	109	106	107	113

Surrogate Recovery Compound	581-SS-SF3D, 0-2'	581-SS-SF3D, 8-10'	581-SSF3D, 10-12'	581-SS-SF3D, 22-24'	581-SSCT1, 6-10'	581-SSCT2, 2-6'	581-SSCT3, 6-10'	581-SSCT4, 2-6'	581-SSCT5, 2-6'	581-SSCT6, 2-6'	581-SSCT7, 6-10'	581-SSCT8, 2-6'	581-SSCT9, 0-2	581-SSCT9, 2-6'	581-SSAR1, 0-2'
Decachlorobiphenyl	102	99	104	106	110	110	99	104	109	107	95	108	110	115	95

Surrogate Recovery Compound	581-SSAR2, 0-2'	581-SSAR3, 0-2'	581-SSAR5, 0-2'	581-SS-AR6, 0-2'	581-SS-AR7, 0-2'	581-SSWL-1, 8-10'	581-RSSWL-1, 8-10'	581-SSWL3, 2-4	581-RSSWL3, 2-4'	581-SSNS3, 0-2'	581-SSNS5, 0-2'	581-SSNS6, 0-2'	581-SSNS7, 0-2'	581-SSDS2, 0-2	581-SSDS5, 0-2'
Decachlorobiphenyl	97	114	114	101	104	121	103	108	98	105	102	105	101	93	107

Surrogate Recovery Compound	581-SSDS6, 0-2'	581-SSDS6, 0-2'	581-SSTP01 2-3'	581-SSTP02 2-3'	581-SSTP05 2.5-3'	581-SSTP06 2.5-3'	581-SSTP07 2.5-3.5'	581-SSTP08 2.5-3.5'	581-SSTP09 1.5-2.5'	581-SSGP1, 2-6'	581-SSGP2, 0-2'	581-SSGP3, 0-2'	581-SSGP4, 2-6'	581-SSGP5, 0-2'	581-SSGP6, 4-8'
Decachlorobiphenyl	120	101	96	101	116	110	109	109	115	93	105	119	103	95	114

Surrogate Recovery Compound	581-RSGP7, 0-2'	581-SSGP7, 2-6'	581-SSGP8, 2-6'	581-SSGP9, 2-6'	581-SSGP13, 0-2'	581-SSGP14, 0-2'	581-SSGP16, 0-2'	581-SSGP17, 2-6'	581-SSGP18, 0-2'	581-SSGP19, 0-2'	581-SSGP20, 0-2'	581-EB001	581-EB002	581-EB003	581-EB004
Decachlorobiphenyl	106	100	119	109	109	110	115	116	115	114	106	125	119	118	122

Notes:
(1) All measurements recorded as percentages
(2) "R" indicates replicate samples

TABLE 20 cont.

Summary of Soil Analytical Results
Laboratory Quality Assurance/Quality Control - Pesticides and Herbicides
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Surrogate Recovery Compound	581-SSLF1, 0-2'	581-SSSF1, 0-2'	581-SS-SF2D, 0-2' (SB)	581-SSSP3, 0-2'	581-SSSFP4, 0-2'	581-SSWB1, 0-2'	581-SSWB2, 0-2'	581-SSWB3, 0-2'	581-SS-SF1D, 0-2'	581-SS-SF2D, 0-2' (MW)	581-SS-SF3D, 0-2'	581-SSDS2, 0-2
2,4-DDD	81	79	106	76	98	70	79	79	109	114	114	123

Surrogate Recovery Compound	581-SSDS5, 0-2'	581-SSDS6, 0-2'	581-SSDS6, 0-2'	581-SSCT1, 0-2'	581-SSCT2, 0-2'	581-SSCT3, 0-2'	581-SSCT4, 0-2'	581-SSCT5, 0-2'	581-SSCT6, 0-2'	581-SSCT7, 0-2'	581-SSCT8, 0-2'	581-SSCT9, 0-2
2,4-DDD	100	75	113	91	99	98	108	92	113	80	92	120

Surrogate Recovery Compound	581-SSNS1, 0-2'	581-SSNS2, 0-2'	581-SSNS3, 0-2'	581-SSNS4, 0-2'	581-SSNS5, 0-2'	581-SSNS6, 0-2'	581-SSNS7, 0-2'	581-SSNS8, 0-2'	581-SSAR1, 0-2'	581-SSAR2, 0-2'	581-SSAR3, 0-2'	581-SSAR5, 0-2'
2,4-DDD	91	74	96	88	88	88	78	80	92	106	108	103

Surrogate Recovery Compound	581-SS-AR6, 0-2'	581-SS-AR7, 0-2'	581-SSWL-1, 0-2'	581-SSWL-3, 0-2'	581-SSTP01 2-3'	581-SSTP02 2-3'	581-SSTP05 2.5-3'	581-SSTP06 2.5-3'	581-SSTP07 2.5-3.5'	581-SSTP08 2.5-3.5'	581-SSTP09 1.5-2.5'	581-SSGP1, 2-6'
2,4-DDD	105	116	83	96	73	71	77	77	80	74	71	75

Surrogate Recovery Compound	581-SSGP2, 0-2'	581-SSGP3, 0-2'	581-SSGP4, 2-6'	581-SSGP5, 0-2'	581-SSGP6, 0-2'	581-SSGP7, 0-2'	581-RSGP7, 0-2'	581-SSGP8, 0-2'	581-SSGP9, 0-2'	581-SSGP10, 0-2'	581-SSGP11, 0-2'	581-SSGP12, 0-2'
2,4-DDD	79	85	80	78	81	76	81	79	80	76	86	85

Surrogate Recovery Compound	581-RSSGP12, 0-2'	581-SSGP13, 0-2'	581-SSGP14, 0-2'	581-SSGP15, 0-2'	581-SSGP16, 0-2'	581-SSGP17, 0-2'	581-SSGP18, 0-2'	581-SSGP19, 0-2'	581-SSGP20, 0-2'	581-EB001	581-EB002	581-EB003	581-EB004
2,4-DDD	80	88	88	76	79	88	95	91	87	86	77	90	91

Notes:
(1) All measurements recorded as percentages
(2) "R" indicates replicate samples

TABLE 21

Summary of Ground Water Analytical Results
Laboratory Quality Assurance/Quality Control - Volatile Organic Compounds
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Surrogate Recovery Compound	581-GWMW-SFP-1D	581-GWMW-SFP-1S	581-GWSFP2D	581-GWSFP2S	581-GWSFP3D	581-GWMW-SFP-3S	581-GWMW-LF-1	581-GWWL-1	581-GWMW-WL-3	581-GWWB-1	581-GWMW-WB-2	581-GWWB-3	581-GWNK, MW17S	581-GWNK, MW06S	581-GWNA, MW01	581-EB001	581-TB001, 6/5/00	581-TB-002, 6/7/00	581-GWRS-002
Dibromofluoromethane	93	82	88	88	129	77	74	67	59	79	86	72	96	91	83	73	79	81	77
Toluene-d8	69	63	75	72	75	62	66	64	66	62	62	61	85	77	71	64	70	65	65

Notes:
(1) All results reported in percentages
(2) "RS" indicates replicate sample
(3) "EB" prefix indicates equipment blank
(4) "TB" prefix indicates trip blank

TABLE 21 cont.

Summary of Ground Water Analytical Results
Laboratory Quality Assurance/Quality Control - Polychlorinated Biphenyls
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Surrogate Recovery Compound	581-GWMW-SFP-1D	581-GWMW-SFP-1S	581-GWSFP2D	581-GWSFP2S	581-GWSFP3D	581-GWMW-SFP-3S	581-GWMW-LF-1	581-GWWL-1	581-GWMW-WL-3	581-GWWB-1	581-GWMW-WB-2	581-GWWB-3	581-GWNK, MW17S	581-GWNK, MW06S	581-GWNA, MW01	581-EB001	581-GWRS-002
Decachlorobiphenyl	102	104	104	110	112	99	112	105	103	113	115	113	112	110	103	110	102

Notes:
(1) All results reported in percentages
(2) "RS" indicates replicate sample
(3) "EB" prefix indicates equipment blank

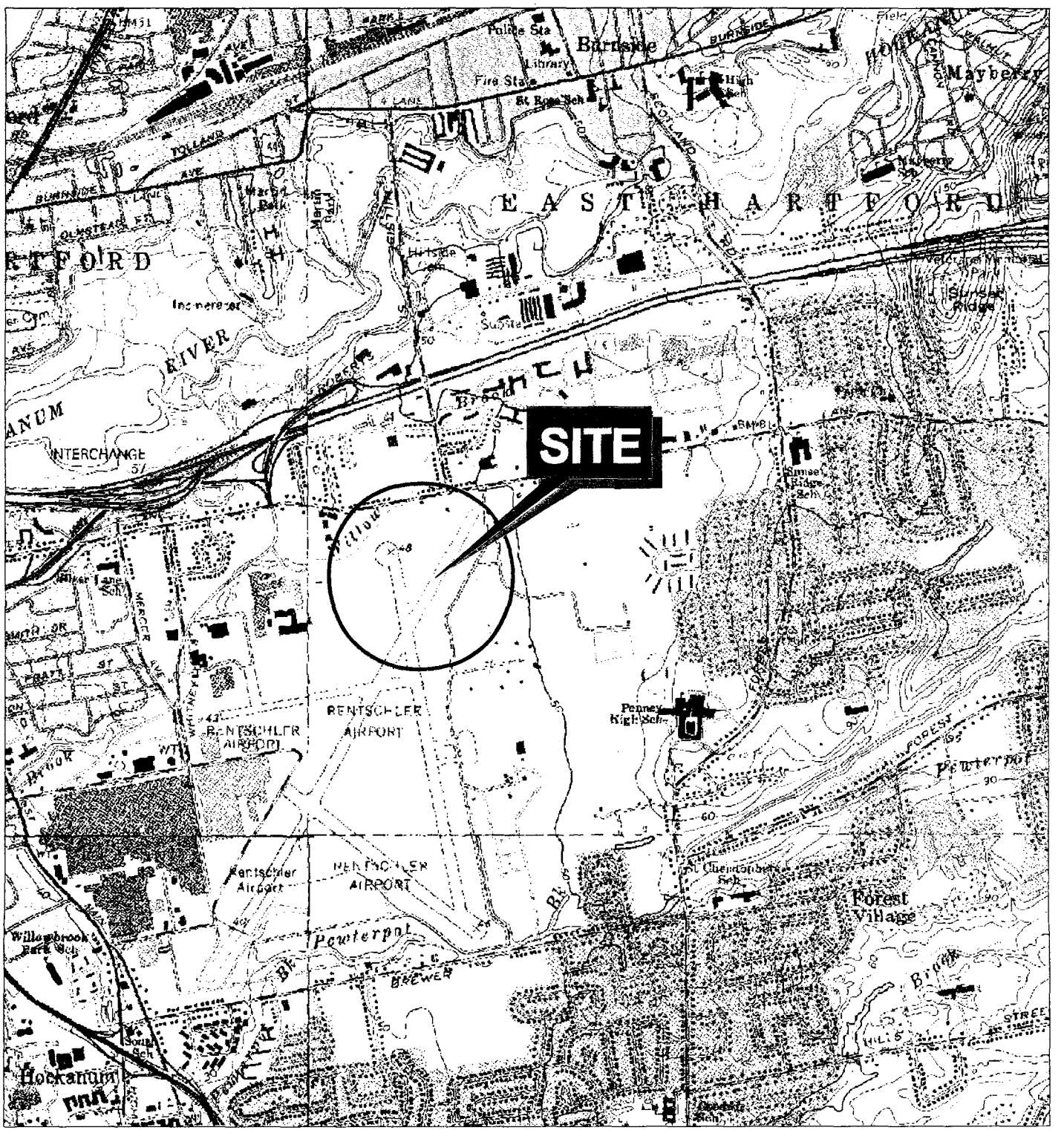
TABLE 21 cont.

Summary of Ground Water Analytical Results
Laboratory Quality Assurance/Quality Control - Pesticides and Herbicides
UCONN Football Stadium
Rentschler Field
East Hartford, CT

Surrogate Recovery Compound	581-GWMW-SFP-1D	581-GWMW-SFP-1S	581-GWSFP2D	581-GWSFP2S	581-GWSFP3D	581-GWMW-SFP-3S	581-GWMW-LF-1	581-GWWL-1	581-GWMW-WL-3	581-GWWB-1	581-GWMW-WB-2	581-GWWB-3	581-GWNK, MW17S	581-GWNK, MW06S	581-GWNA, MW01	581-EB001	581-GWRS-002
2,4-DDD	95	92	87	102	102	99	90	85	79	96	84	86	87	121	103	105	107

Notes:
(1) All results reported in percentages
(2) "RS" indicates replicate sample
(5) "EB" prefix indicates equipment blank

FIGURES



MAP TAKEN FROM THE 7.5 MINUTE USGS TOPOGRAPHIC MAPS OF THE HARTFORD NORTH AND THE HARTFORD SOUTH QUADRANGLES, 1964, THE MANCHESTER QUADRANGLE, 1963, AND THE GLASTONBURY QUADRANGLE, 1964 (ALL PHOTOS REVISED 1992).

MARIN

ENVIRONMENTAL

7 ISLAND DOCK ROAD, HADDAM, CT 06438

FIGURE 1
SITE LOCATION MAP

RENTSCHLER FIELD
EAST HARTFORD, CONNECTICUT

MAY 2000 | FILE NO: 99-0581

US EPA New England
RCRA Document Management System
Image Target Sheet

RDMS Document ID # 100144

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Description of Oversized Material, if applicable:

FIGURE 3: GENERALIZED GEOLOGIC CROSS-SECTION A-A'

[X] **Map** [ ] **Photograph** [ ] **Other** (Specify Below)

*** Please Contact the EPA New England RCRA Records Center to View This Document ***

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Description of Oversized Material, if applicable:

FIGURE 2: LOCATION MAP ENVIRONMENTAL UNITS, OFF-SITE PARKING, APPROXIMATE LOCATIONS OF SOIL BORINGS, MONITORING WELLS, AND CROSS-SECTION A-A' LINE

[X] **Map** [ ] **Photograph** [ ] **Other** (Specify Below)

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Description of Oversized Material, if applicable:

FIGURE 4: GROUND WATER CONTOUR MAP

[X] **Map** [ ] **Photograph** [ ] **Other** (Specify Below)

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Facility ID#: CTD990672081

Phase Classification: R-9

Purpose of Target Sheet:

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Description of Oversized Material, if applicable:

FIGURE 5: AREAS OF IMPACT TO GROUND WATER

[X] **Map** [ ] **Photograph** [ ] **Other** (Specify Below)

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Loureiro Engineering Associates, Inc.

FIELD SAMPLING RECORD
MISCELLANEOUS SAMPLES

LEA Comm. No.: 88UT032.001

Project: Soil Sampling - Soil piles

Location: P&W East Hartford

Client: Pratt & Whitney East Hartford-JT

Date: 10 / 12 / 00

Sample ID	Location ID	Time	Sample Type	Depth (ft)	PID/FID Reading	Comments	Waste Container ID
1971705	BKE	1300	BKT	—	—	Trip Blank	
~~1971706~~ 5M	BKE	1305	BKE			Equip Blank	
1971752	BKE	1305	BKE			Equip. Blank	

Samples sent to LEA Laboratory must be accompanied by Form leacust.rpt

Groundwater Samples must be accompanied by Form fedrg1.rpt

Field Personnel: Steve Murdock

Jason Miller

R. Whittekor

Signature:

Loureiro Engineering Associates, Inc.

FIELD BORING LOG

BORING ID: NK-SB-354

LEA Comm. No.: 88UT032.001

Page 4 of 12

Project: Soil Sampling - Soil piles

Boring Log Page 1 of 1

Location: P&W East Hartford

Date: 6/13/00

Client: Pratt & Whitney East Hartford-JT

Logged By: J. Miller

Drilling Contractor: LEA

Drill Foreman: J. Miller

Drilling Method: Direct Push

Drill Rig: 97 GP 5960

Sampling Method: Macro Core

Groundwater: Depth: at:

Depth: at:

Elevation/ Depth	Sample Number	Recovery %	Blows/6" / Downforce	Time	PID/FID (ppm)	Mass	Sample Description (Burmeister (Color, primary grain size, other grain size(s), moisture, density, coherence, sed. structure, sorting, other characteristics))
0	971658	19/24	-	10:25	0	-	Top 3" loamy Brown Fine to Coarse Fine SAND + Silt w/ some roots to Strong Brown Coarse to Fine SAND + Silt @ 5" + 16" Moist, loose
2	971659	24	-	10:30	0	-	Brown Silty to Well Fine SAND + Silt with trace Rice 2" size, moist loose
4	971660	20/24	-	10:35	0		AA
6	971661	20/24	-	10:40	1.0		AA
8	971662	18/24	-	10:44	1.9	-	AA
10	~~971663~~ 971663	6/24	-	10:45	1.6		AA wet
12							

SOIL (10') 12'

Comments 971662 for 8'-12' Ground Water Back @ Sample.

Cooler ID

Trip Blank ID

Waste Container IDs Soil 572742

Decon 579134

Other

Signature: J. Miller

fcboxlg.rpt

Loureiro Engineering Associates, Inc.

FIELD BORING LOG

BORING ID: NK-SB-355

LEA Comm. No.: 88UT032.001

Page 5 of 12

Project: Soil Sampling - Soil piles

Boring Log Page ___ of ___

Location: P&W East Hartford

Date: 10/12/00

Client: Pratt & Whitney East Hartford-JT

Logged By: RSW

Drilling Contractor: LEA

Drill Foreman: RSW

Drilling Method: Hand Auger

Drill Rig: N/A

Sampling Method: Hand Auger

Groundwater: Depth: at:

Depth: at:

Elevation/ Depth	Sample Number	Recovery %	Blows/6" / Downforce	Time	PID/FID (ppm)	Mass	Sample Description (Burmeister (Color, primary grain size, other grain size(s), moisture, density, coherence, sed. structure, sorting, other characteristics))
0							lt brown silt and fine sand, dry
2	1971698	100	—	1020	0	—	
4	1971699	100	—	1025	0	~	AA
6	1971700	100	—	1035	0	-	AA
8	1971701	100	—	1045	0	—	AA, more fine sand, darker shade of lt brown
10	1971702	100	—	1100	0	—	AA
12	1971703	100	—	1115	0	—	AA, dk brown silt & fine sand, dry
B.S	1971704	100	—	1130	0	—	AA, blacktop @ 13.5', some reddish-brown fine to med. sand @ 13.5'
							BOB @ 13.5' - Refusal

Comments

Cooler ID

Trip Blank ID

Waste Container IDs Soil 572742

Decon 579134

Other

Signature: Stan J Murdock

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Loureiro Engineering Associates, Inc.

FIELD BORING LOG

BORING ID: nik-SB-356

LEA Comm. No.: 88UT032.001

Page 6 of 12

Project: Soil Sampling - Soil piles

Boring Log Page 1 of 1

Location: P&W East Hartford

Date: 10/12/00

Client: Pratt & Whitney East Hartford-JT

Logged By: S. Murdock

Drilling Contractor: LEA

Drill Foreman: J. Miller

Drilling Method: HAND Auger Bucket

Drill Rig: S. Murdock

Sampling Method:

Groundwater: Depth: at:

Depth: at:

Elevation/ Depth	Sample Number	Recovery %	Blows/6" / Downforce	Time	PID/FID (ppm)	Mass	Sample Description (Burmeister (Color, primary grain size, other grain size(s), moisture, density, coherence, sed. structure, sorting, other characteristics))
0							
	971708	100		1017	1.5		0-2' Brown med. to fine silt, some trace fine sand
2							2'-4' AA
	971709	100		1027	1.5		
4							4'-6' Light Brown med. to fine silt, some trace fine sand
	971710	100		1037	1.3		
6							6'-8' AA
	971711	100		1050	1.6		
8							8'-10' AA
	971712	100		1102	1.6		
10							

B.O.B 10' 6"

Refusal @ 10' 6" Asphalt

Comments

Cooler ID

Trip Blank ID

Waste Container IDs Soil 572742

Decon 571134

Other

Signature: S. Murdock

tebortelg.rpt